

Question: By the end of this school year, how many years will you have been teaching altogether
 Location: TQG-01 (MTBG01)

Country	Sample	Valid N	Not Adm. %	Not App. %	Omitt ed %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
France	425	397	6.3	0.0	0.3	22.5	20.0	3.0	10.0	12.0	16.0	21.0	30.0	36.0	37.0	42.0
Italy	284	256	8.1	0.0	1.6	25.2	25.0	2.0	12.0	15.0	20.0	26.0	31.0	35.0	36.0	42.0
Lebanon	275	250	1.0	0.0	6.3	25.3	25.0	3.0	9.0	11.0	18.0	25.0	34.0	39.0	43.0	50.0
Norway	170	157	9.9	0.0	0.7	20.5	8.0	1.0	3.0	5.0	9.0	18.0	32.0	38.0	40.0	47.0
Portugal	327	319	2.2	0.0	0.4	24.6	25.0	6.0	14.0	16.0	19.0	24.0	30.0	34.0	36.0	41.0
Russian Federation	390	373	1.0	0.0	4.1	28.0	27.0	1.0	12.0	16.0	21.0	28.0	34.0	40.0	44.0	55.0
Russian Federation 6hr+	174	167	3.0	0.0	2.8	28.0	30.0	1.0	15.0	19.0	23.0	27.0	32.0	39.0	43.0	53.0
Slovenia	147	146	0.0	0.0	1.3	22.0	22.0	2.0	7.0	10.0	15.0	22.0	29.0	34.0	35.0	39.0
Sweden	237	213	6.2	0.0	3.5	18.1	12.0	1.0	3.0	6.0	9.0	15.0	27.0	35.0	40.0	43.0
United States	392	309	17.9	0.0	0.4	20.0	11.0	2.0	4.0	7.0	11.0	19.0	26.0	38.0	41.0	48.0
International Avg (n=9)	2647	2420	5.9	0.0	2.1	22.9	19.4	2.3	8.2	10.9	15.3	22.0	30.3	36.6	39.1	45.2

Question: Are you female or male
 Location: TQG-02 (MTBG02)

Country	Sample	Valid N	1.Female %	2.Male %	Not Admini stered %	Not Applic able %	Omitte d %	1.Female Mean	2.Male Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	398	39.8	60.2	6.3	0.0	0.0	467.3	457.8	478.7	.	.
Italy	284	259	67.0	33.0	8.1	0.0	0.4	433.9	403.5	398.8	.	454.5
Lebanon	275	267	18.1	81.9	1.0	0.0	1.2	536.5	530.8	524.9	.	541.2
Norway	170	160	24.5	75.5	9.9	0.0	0.0	462.8	460.7	440.9	.	.
Portugal	327	319	75.5	24.5	2.5	0.0	0.5	480.1	490.1	474.4	.	465.8
Russian Federation	390	386	96.3	3.7	1.0	0.0	0.8	480.9	571.6	572.7	.	425.9
Russian Federation 6hr+	174	173	91.4	8.6	3.0	0.0	0.0	534.9	598.0	532.9	.	.
Slovenia	147	147	75.1	24.9	0.0	0.0	0.0	458.5	463.8	.	.	.
Sweden	237	220	30.2	69.8	6.2	0.0	0.3	434.1	436.0	368.6	.	372.1
United States	392	311	43.6	56.4	17.9	0.0	0.0	493.0	479.1	484.3	.	.
International Avg (n=9)	2647	2467	52.2	47.8	5.9	0.0	0.3	471.9	477.0	467.9	.	451.9

Question: How old are you
 Location: TQG-03 (MTBG03)

Country	Sample	Valid N	1.Under 25 %	2.25-29 %	3.30-39 %	4.40-49 %	5.50-59 %	6.60 or more %	Not Administered %	Not Applicable %	Omitted %
France	425	398	0.0	3.8	17.4	43.2	30.1	5.5	6.3	0.0	0.0
Italy	284	259	0.0	0.0	1.8	31.3	49.8	17.1	8.1	0.0	0.4
Lebanon	275	271	0.0	4.3	21.0	28.6	23.4	22.8	1.0	0.0	0.5
Norway	170	160	0.0	2.8	24.0	25.0	19.6	28.6	9.9	0.0	0.0
Portugal	327	322	0.0	0.0	11.6	43.5	39.0	5.8	2.2	0.0	0.0
Russian Federation	390	385	0.0	1.4	7.3	35.4	39.2	16.8	1.0	0.0	0.2
Russian Federation 6hr+	174	172	0.0	1.8	4.6	38.7	41.0	13.9	3.0	0.0	0.6
Slovenia	147	147	0.0	0.8	23.7	35.5	34.2	5.8	0.0	0.0	0.0
Sweden	237	221	0.0	4.4	20.5	30.3	21.0	23.8	6.2	0.0	0.0
United States	392	311	1.2	6.2	21.2	37.0	19.2	15.2	17.9	0.0	0.0
International Avg (n=9)	2647	2474	0.1	2.6	16.5	34.4	30.6	15.7	5.9	0.0	0.1

Question: How old are you
 Location: TQG-03 (MTBG03)

Country	Sample	Valid N	1.Under 25 Mean	2.25-29 Mean	3.30-39 Mean	4.40-49 Mean	5.50-59 Mean	6.60 or more Mean	Not Admini- stered Mean	Not Applic- able Mean	Omitte- d Mean
France	425	398	.	453.2	455.3	464.7	459.8	471.8	478.7	.	.
Italy	284	259	.	.	269.6	432.1	428.0	413.0	398.8	.	454.5
Lebanon	275	271	.	524.2	518.3	549.0	533.3	525.1	524.9	.	453.4
Norway	170	160	.	451.0	457.9	451.5	479.6	460.9	440.9	.	.
Portugal	327	322	.	.	487.9	478.8	486.1	472.9	476.4	.	.
Russian Federation	390	385	.	488.6	486.3	480.6	486.6	481.4	572.7	.	577.9
Russian Federation 6hr+	174	172	.	491.6	507.3	540.7	539.0	559.7	532.9	.	562.9
Slovenia	147	147	.	440.3	447.0	455.1	477.6	438.3	.	.	.
Sweden	237	221	304.3	415.5	436.9	443.7	431.8	429.8	368.6	.	.
United States	392	311	441.8	461.3	487.9	496.2	484.2	468.5	484.3	.	.
International Avg (n=9)	2647	2474	373.1	462.0	449.7	472.4	474.1	462.4	468.2	.	495.3

Question: What is the highest level of formal education you have completed
 Location: TQG-04 (MTBG04)

Country	Sample	Valid N	1.Did not complete tertiary education %	2.Short- cycle tertiary education %	3.Bachelor's or equivalent %	4.Master's or equivalent %	5.Doctor's or equivalent %	Not Administered %	Not Applicable %	Omitted %
France	425	398	0.0	0.0	24.7	63.3	12.0	6.3	0.0	0.0
Italy	284	254	0.3	1.6	87.1	7.9	3.2	8.1	0.0	2.0
Lebanon	275	259	4.8	2.0	33.8	56.1	3.4	1.0	0.0	4.4
Norway	170	160	0.0	0.1	22.4	74.5	2.9	9.9	0.0	0.0
Portugal	327	321	0.0	1.8	78.1	18.5	1.6	2.2	0.0	0.1
Russian Federation	390	385	0.0	0.0	29.5	69.8	0.7	1.0	0.0	0.7
Russian Federation 6hr+	174	172	0.0	0.0	19.1	77.3	3.7	3.0	0.0	0.3
Slovenia	147	147	0.0	0.0	1.1	98.3	0.6	0.0	0.0	0.0
Sweden	237	216	1.7	0.0	31.7	60.6	6.0	6.2	0.0	1.9
United States	392	310	0.0	0.0	27.3	70.9	1.8	17.9	0.0	0.0
International Avg (n=9)	2647	2450	0.8	0.6	37.3	57.8	3.6	5.9	0.0	1.0

Question: What is the highest level of formal education you have completed
 Location: TQG-04 (MTBG04)

Country	Sample	Valid N	1.Did not complete tertiary education Mean	2.Short- cycle tertiary education Mean	3.Bachelor's or equivalent Mean	4.Master's or equivalent Mean	5.Doctor's or equivalent Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	398	.	.	460.2	461.9	462.9	478.7	.	.
Italy	284	254	445.1	431.7	428.4	386.1	394.4	398.8	.	418.4
Lebanon	275	259	531.9	505.8	541.7	529.9	512.4	524.9	.	511.5
Norway	170	160	.	450.3	451.9	464.3	455.8	440.9	.	.
Portugal	327	321	.	501.2	481.9	484.6	457.9	476.4	.	526.2
Russian Federation	390	385	.	.	485.3	481.4	636.8	572.7	.	504.1
Russian Federation 6hr+	174	172	.	.	513.3	542.7	636.8	532.9	.	454.6
Slovenia	147	147	.	.	412.7	459.9	520.0	.	.	.
Sweden	237	216	372.9	.	436.6	437.9	415.8	368.6	.	443.8
United States	392	310	.	.	463.7	493.5	477.0	484.3	.	534.8
International Avg (n=9)	2647	2450	449.9	472.2	462.5	466.6	481.4	468.2	.	489.8

Question: During your <post-secondary> education, what was your major or main area(s) of study. Mathematics
 Location: TQG-05a (MTBG05A)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini-stered %	Not Applic-able %	Omitte-d %	1.Yes Mean	2.No Mean	Not Admini-stered Mean	Not Applic-able Mean	Omitte-d Mean
France	425	398	99.2	0.8	6.3	0.0	0.0	461.6	455.2	478.7	.	.
Italy	284	258	88.4	10.0	8.1	1.6	0.7	429.2	373.7	398.8	431.7	461.4
Lebanon	275	256	92.3	5.8	1.0	2.0	4.3	535.5	507.0	524.9	505.8	502.6
Norway	170	160	98.0	1.8	9.9	0.1	0.0	461.6	443.4	440.9	450.3	.
Portugal	327	322	93.2	5.0	2.2	1.8	0.0	481.8	486.7	476.4	501.2	.
Russian Federation	390	385	99.1	0.9	1.0	0.0	0.2	483.5	482.2	572.7	.	581.2
Russian Federation 6hr+	174	171	99.5	0.5	3.0	0.0	1.2	539.3	629.3	532.9	.	581.2
Slovenia	147	147	85.5	14.5	0.0	0.0	0.0	460.4	456.0	.	.	.
Sweden	237	218	91.6	8.4	6.2	0.0	1.1	435.8	434.8	368.6	.	387.8
United States	392	310	79.3	20.7	17.9	0.0	0.0	483.8	490.2	484.3	.	534.8
International Avg (n=9)	2647	2454	91.8	7.5	5.9	0.6	0.7	470.4	458.8	468.2	472.2	493.6

Question: During your <post-secondary> education, what was your major or main area(s) of study. Physics
 Location: TQG-05b (MTBG05B)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	396	49.5	50.5	6.3	0.0	0.4	465.3	457.6	478.7	.	497.0
Italy	284	258	58.1	40.3	8.1	1.6	0.7	427.0	418.6	398.8	431.7	461.4
Lebanon	275	256	27.2	70.8	1.0	2.0	4.3	542.7	530.4	524.9	505.8	502.6
Norway	170	160	57.4	42.4	9.9	0.1	0.0	462.7	459.2	440.9	450.3	.
Portugal	327	321	15.9	82.3	2.2	1.8	0.1	478.0	482.8	476.4	501.2	487.3
Russian Federation	390	384	19.5	80.5	1.0	0.0	0.3	502.9	478.9	572.7	.	533.0
Russian Federation 6hr+	174	171	19.4	80.6	3.0	0.0	1.2	562.8	534.3	532.9	.	581.2
Slovenia	147	146	7.4	92.6	0.0	0.0	0.4	447.3	461.0	.	.	407.1
Sweden	237	218	63.6	36.4	6.2	0.0	1.1	433.7	439.3	368.6	.	387.8
United States	392	310	13.1	86.9	17.9	0.0	0.0	474.1	486.8	484.3	.	534.8
International Avg (n=9)	2647	2449	34.6	64.8	5.9	0.6	0.8	470.4	468.3	468.2	472.2	476.4

Question: During your <post-secondary> education, what was your major or main area(s) of study. Biology
 Location: TQG-05c (MTBG05C)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	398	2.4	97.6	6.3	0.0	0.0	446.9	461.9	478.7	.	.
Italy	284	257	1.2	97.2	8.1	1.6	1.0	456.6	422.9	398.8	431.7	476.0
Lebanon	275	255	3.1	94.9	1.0	2.0	5.2	537.0	533.9	524.9	505.8	504.3
Norway	170	160	11.0	88.9	9.9	0.1	0.0	465.9	460.7	440.9	450.3	.
Portugal	327	322	1.0	97.1	2.2	1.8	0.0	497.1	481.9	476.4	501.2	.
Russian Federation	390	385	0.0	100.0	1.0	0.0	0.2	.	483.5	572.7	.	581.2
Russian Federation 6hr+	174	171	0.0	100.0	3.0	0.0	1.2	.	539.8	532.9	.	581.2
Slovenia	147	147	0.0	100.0	0.0	0.0	0.0	.	459.8	.	.	.
Sweden	237	218	6.8	93.2	6.2	0.0	1.1	428.2	436.3	368.6	.	387.8
United States	392	310	1.6	98.4	17.9	0.0	0.0	474.2	485.3	484.3	.	534.8
International Avg (n=9)	2647	2452	3.0	96.4	5.9	0.6	0.8	472.3	469.6	468.2	472.2	496.8

Question: During your <post-secondary> education, what was your major or main area(s) of study. Chemistry
 Location: TQG-05d (MTBG05D)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini-stered %	Not Applic-able %	Omitte-d %	1.Yes Mean	2.No Mean	Not Admini-stered Mean	Not Applic-able Mean	Omitte-d Mean
France	425	398	22.1	77.9	6.3	0.0	0.0	466.1	460.3	478.7	.	.
Italy	284	258	4.1	94.3	8.1	1.6	0.7	409.3	424.2	398.8	431.7	461.4
Lebanon	275	256	13.8	84.2	1.0	2.0	4.3	534.4	533.8	524.9	505.8	502.6
Norway	170	160	23.9	75.9	9.9	0.1	0.0	471.0	458.2	440.9	450.3	.
Portugal	327	322	3.7	94.5	2.2	1.8	0.0	473.5	482.4	476.4	501.2	.
Russian Federation	390	385	0.8	99.2	1.0	0.0	0.2	430.4	483.9	572.7	.	581.2
Russian Federation 6hr+	174	171	0.9	99.1	3.0	0.0	1.2	615.2	539.1	532.9	.	581.2
Slovenia	147	146	0.0	100.0	0.0	0.0	0.4	.	460.0	.	.	407.1
Sweden	237	216	19.1	80.9	6.2	0.0	1.9	436.3	435.2	368.6	.	425.5
United States	392	310	4.3	95.7	17.9	0.0	0.0	500.6	484.4	484.3	.	534.8
International Avg (n=9)	2647	2451	10.2	89.2	5.9	0.6	0.8	465.2	469.1	468.2	472.2	485.4

Question: During your <post-secondary> education, what was your major or main area(s) of study. <Earth Science>
 Location: TQG-05e (MTBG05E)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	398	0.3	99.7	6.3	0.0	0.0	470.6	461.6	478.7	.	.
Italy	284	257	1.8	96.6	8.1	1.6	1.0	431.5	423.1	398.8	431.7	479.4
Lebanon	275	256	1.7	96.3	1.0	2.0	4.3	578.5	533.1	524.9	505.8	502.6
Norway	170	160	9.4	90.5	9.9	0.1	0.0	466.9	460.6	440.9	450.3	.
Portugal	327	322	1.0	97.1	2.2	1.8	0.0	497.1	481.9	476.4	501.2	.
Russian Federation	390	384	0.6	99.4	1.0	0.0	0.3	380.8	484.1	572.7	.	580.8
Russian Federation 6hr+	174	170	0.0	100.0	3.0	0.0	1.5	.	539.7	532.9	.	580.8
Slovenia	147	147	0.0	100.0	0.0	0.0	0.0	.	459.8	.	.	.
Sweden	237	218	4.7	95.3	6.2	0.0	1.1	430.9	436.0	368.6	.	387.8
United States	392	310	0.2	99.8	17.9	0.0	0.0	429.0	485.2	484.3	.	534.8
International Avg (n=9)	2647	2452	2.2	97.2	5.9	0.6	0.7	460.7	469.5	468.2	472.2	497.1

Question: During your <post-secondary> education, what was your major or main area(s) of study. Engineering
 Location: TQG-05f (MTBG05F)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini-stered %	Not Applic-able %	Omitte-d %	1.Yes Mean	2.No Mean	Not Admini-stered Mean	Not Applic-able Mean	Omitte-d Mean
France	425	398	2.0	98.0	6.3	0.0	0.0	454.0	461.7	478.7	.	.
Italy	284	258	14.2	84.2	8.1	1.6	0.7	377.5	431.4	398.8	431.7	461.4
Lebanon	275	253	10.8	87.2	1.0	2.0	5.6	528.2	534.0	524.9	505.8	517.8
Norway	170	160	16.1	83.7	9.9	0.1	0.0	453.7	462.7	440.9	450.3	.
Portugal	327	320	10.3	87.8	2.2	1.8	0.5	480.4	482.3	476.4	501.2	461.7
Russian Federation	390	383	10.1	89.9	1.0	0.0	0.4	504.1	481.1	572.7	.	569.2
Russian Federation 6hr+	174	169	11.9	88.1	3.0	0.0	2.0	560.0	537.0	532.9	.	569.2
Slovenia	147	147	3.3	96.7	0.0	0.0	0.0	437.8	460.5	.	.	.
Sweden	237	216	20.4	79.6	6.2	0.0	2.3	434.3	436.3	368.6	.	406.9
United States	392	310	7.0	93.0	17.9	0.0	0.0	499.7	484.0	484.3	.	534.8
International Avg (n=9)	2647	2445	10.5	88.9	5.9	0.6	1.0	463.3	470.5	468.2	472.2	492.0

Question: During your <post-secondary> education, what was your major or main area(s) of study. Education- Mathematics
 Location: TQG-05g (MTBG05G)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	396	32.1	67.9	6.3	0.0	0.4	464.6	459.9	478.7	.	497.0
Italy	284	258	49.0	49.5	8.1	1.6	0.7	414.9	432.1	398.8	431.7	461.4
Lebanon	275	256	60.5	37.5	1.0	2.0	4.3	533.5	534.4	524.9	505.8	502.6
Norway	170	160	18.2	81.6	9.9	0.1	0.0	465.6	460.3	440.9	450.3	.
Portugal	327	322	77.6	20.6	2.2	1.8	0.0	480.6	487.4	476.4	501.2	.
Russian Federation	390	383	60.4	39.6	1.0	0.0	0.9	492.1	468.4	572.7	.	593.9
Russian Federation 6hr+	174	170	69.2	30.8	3.0	0.0	1.7	554.7	506.8	532.9	.	562.1
Slovenia	147	147	68.9	31.1	0.0	0.0	0.0	463.6	451.3	.	.	.
Sweden	237	217	77.6	22.4	6.2	0.0	1.5	439.5	423.7	368.6	.	389.2
United States	392	310	69.0	31.0	17.9	0.0	0.0	480.8	494.7	484.3	.	534.8
International Avg (n=9)	2647	2449	57.0	42.4	5.9	0.6	0.9	470.6	468.0	468.2	472.2	496.5

Question: During your <post-secondary> education, what was your major or main area(s) of study. Education- Physics
 Location: TQG-05h (MTBG05H)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	398	1.3	98.7	6.3	0.0	0.0	451.8	461.7	478.7	.	.
Italy	284	258	30.6	67.9	8.1	1.6	0.7	417.7	426.2	398.8	431.7	461.4
Lebanon	275	252	5.2	92.8	1.0	2.0	6.0	560.5	531.8	524.9	505.8	520.0
Norway	170	160	6.2	93.6	9.9	0.1	0.0	462.7	461.1	440.9	450.3	.
Portugal	327	320	0.1	98.1	2.2	1.8	0.4	487.3	482.0	476.4	501.2	479.6
Russian Federation	390	383	12.1	87.9	1.0	0.0	0.8	509.8	480.9	572.7	.	405.0
Russian Federation 6hr+	174	171	12.1	87.9	3.0	0.0	1.2	570.1	535.6	532.9	.	581.2
Slovenia	147	147	10.0	90.0	0.0	0.0	0.0	447.1	461.2	.	.	.
Sweden	237	217	50.7	49.3	6.2	0.0	1.5	440.0	431.8	368.6	.	389.2
United States	392	309	1.7	98.3	17.9	0.0	0.1	529.5	484.5	484.3	.	421.0
International Avg (n=9)	2647	2444	13.1	86.3	5.9	0.6	1.1	478.5	469.0	468.2	472.2	446.0

Question: During your <post-secondary> education, what was your major or main area(s) of study. Education- Science
 Location: TQG-05i (MTBG05I)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	398	2.8	97.2	6.3	0.0	0.0	480.6	461.0	478.7	.	.
Italy	284	257	5.6	92.8	8.1	1.6	0.9	399.9	425.2	398.8	431.7	433.2
Lebanon	275	252	0.6	97.4	1.0	2.0	6.0	453.4	533.8	524.9	505.8	520.0
Norway	170	160	6.8	93.1	9.9	0.1	0.0	476.0	460.2	440.9	450.3	.
Portugal	327	322	9.0	89.2	2.2	1.8	0.0	479.1	482.3	476.4	501.2	.
Russian Federation	390	385	7.6	92.4	1.0	0.0	0.2	513.0	481.1	572.7	.	581.2
Russian Federation 6hr+	174	171	6.5	93.5	3.0	0.0	1.2	558.2	538.5	532.9	.	581.2
Slovenia	147	147	0.6	99.4	0.0	0.0	0.0	442.7	459.9	.	.	.
Sweden	237	217	5.5	94.5	6.2	0.0	1.5	434.4	436.0	368.6	.	389.2
United States	392	310	2.2	97.8	17.9	0.0	0.0	484.3	485.1	484.3	.	534.8
International Avg (n=9)	2647	2448	4.5	94.9	5.9	0.6	1.0	462.6	469.4	468.2	472.2	491.7

Question: During your <post-secondary> education, what was your major or main area(s) of study. Education- General
 Location: TQG-05j (MTBG05J)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	398	9.6	90.4	6.3	0.0	0.0	465.4	461.2	478.7	.	.
Italy	284	258	9.1	89.3	8.1	1.6	0.7	399.4	426.0	398.8	431.7	461.4
Lebanon	275	251	9.5	88.5	1.0	2.0	6.1	527.6	534.0	524.9	505.8	518.9
Norway	170	160	41.6	58.2	9.9	0.1	0.0	460.3	461.9	440.9	450.3	.
Portugal	327	320	25.7	72.5	2.2	1.8	0.6	482.8	482.3	476.4	501.2	421.3
Russian Federation	390	385	46.0	54.0	1.0	0.0	0.2	492.6	475.8	572.7	.	581.2
Russian Federation 6hr+	174	171	52.5	47.5	3.0	0.0	1.2	556.3	521.5	532.9	.	581.2
Slovenia	147	147	5.7	94.3	0.0	0.0	0.0	477.6	458.7	.	.	.
Sweden	237	216	21.3	78.7	6.2	0.0	2.5	429.9	437.0	368.6	.	423.3
United States	392	309	11.8	88.2	17.9	0.0	0.2	453.0	489.3	484.3	.	561.9
International Avg (n=9)	2647	2444	20.0	79.3	5.9	0.6	1.1	465.4	469.6	468.2	472.2	494.7

Question: During your <post-secondary> education, what was your major or main area(s) of study. Other
 Location: TQG-05k (MTBG05K)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	398	13.5	86.5	6.3	0.0	0.0	466.3	460.8	478.7	.	.
Italy	284	236	16.5	81.8	8.1	1.7	8.9	392.9	432.0	398.8	431.7	408.8
Lebanon	275	240	6.9	91.0	1.0	2.1	8.7	554.7	532.3	524.9	505.8	518.3
Norway	170	160	44.0	55.9	9.9	0.1	0.0	455.4	465.8	440.9	450.3	.
Portugal	327	298	7.6	90.4	2.2	2.0	8.3	466.9	482.9	476.4	501.2	485.7
Russian Federation	390	381	12.5	87.5	1.0	0.0	1.1	511.3	480.1	572.7	.	460.1
Russian Federation 6hr+	174	170	14.4	85.6	3.0	0.0	1.6	551.9	538.4	532.9	.	538.4
Slovenia	147	146	2.0	98.0	0.0	0.0	1.6	490.0	459.5	.	.	443.2
Sweden	237	216	18.1	81.9	6.2	0.0	1.6	426.6	437.8	368.6	.	403.4
United States	392	308	19.7	80.3	17.9	0.0	0.8	469.7	488.8	484.3	.	491.9
International Avg (n=9)	2647	2383	15.6	83.7	5.9	0.7	3.4	470.4	471.1	468.2	472.2	458.8

Question: How much do you agree with these statements about advanced mathematics and physics education within your school. The school encourages students to study advanced mathematics and physics

Location: TQG-06a (MTBG06A)

Country	Sample	Valid N	1.Agree a lot %	2.Agree a little %	3.Disagree a little %	4.Disagree a lot %	Not Administered %	Not Applicable %	Omitted %	1.Agree a lot Mean	2.Agree a little Mean	3.Disagree a little Mean	4.Disagree a lot Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	395	22.9	54.7	21.3	1.1	6.4	0.0	0.6	465.7	455.6	471.1	476.5	479.0	.	484.3
Italy	284	256	18.4	56.3	21.4	3.9	8.3	0.0	1.4	448.7	426.1	395.4	430.6	403.4	.	410.8
Lebanon	275	270	66.6	31.2	2.0	0.2	1.0	0.0	1.3	535.8	524.5	499.1	540.2	524.9	.	562.1
Norway	170	159	50.2	42.9	5.5	1.5	9.9	0.0	0.7	466.6	453.8	466.7	497.7	440.9	.	415.7
Portugal	327	321	64.9	30.7	1.9	2.5	2.2	0.0	0.2	480.0	487.3	474.4	484.7	476.4	.	549.1
Russian Federation	390	384	74.8	22.5	2.6	0.1	1.0	0.0	0.8	492.2	460.8	451.2	539.3	572.7	.	441.5
Russian Federation 6hr+	174	172	83.6	15.9	0.0	0.5	3.0	0.0	0.6	544.8	515.9	.	539.3	532.9	.	566.3
Slovenia	147	147	26.8	60.2	13.0	0.0	0.0	0.0	0.0	482.1	457.8	423.3	.	.	.	.
Sweden	237	219	35.6	52.7	10.8	0.8	6.2	0.0	1.1	446.8	429.5	430.6	370.1	368.6	.	424.7
United States	392	308	70.5	26.6	2.8	0.2	17.9	0.0	0.5	489.3	477.6	441.6	457.4	484.3	.	535.2
International Avg (n=9)	2647	2459	47.9	42.0	9.0	1.1	5.9	0.0	0.7	478.6	463.7	450.4	474.6	468.8	.	477.9

Question: How much do you agree with these statements about advanced mathematics and physics education within your school. The school promotes professional development for teachers of advanced mathematics and physics
 Location: TQG-06b (MTBG06B)

Country	Sample	Valid N	1.Agree a lot %	2.Agree a little %	3.Disagree a little %	4.Disagree a lot %	Not Administered %	Not Applicable %	Omitted %	1.Agree a lot Mean	2.Agree a little Mean	3.Disagree a little Mean	4.Disagree a lot Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	395	6.6	53.7	33.1	6.5	6.4	0.0	0.7	449.0	464.1	460.2	457.2	479.0	.	490.2
Italy	284	255	8.6	31.4	40.1	19.9	8.3	0.0	1.8	417.9	425.7	428.5	413.3	403.4	.	421.9
Lebanon	275	266	53.8	38.7	6.3	1.1	1.0	0.0	2.4	531.2	533.5	532.7	505.8	524.9	.	533.1
Norway	170	159	9.7	55.5	27.5	7.4	9.9	0.0	0.7	441.2	464.2	459.2	477.6	440.9	.	415.7
Portugal	327	320	31.3	45.0	17.2	6.5	2.2	0.0	0.6	483.8	482.9	477.1	485.5	476.4	.	487.1
Russian Federation	390	384	69.9	28.1	1.5	0.5	1.0	0.0	0.8	498.2	451.6	436.0	476.4	572.7	.	441.5
Russian Federation 6hr+	174	172	72.0	26.4	1.6	0.0	3.0	0.0	0.6	546.3	524.0	531.7	.	532.9	.	566.3
Slovenia	147	147	25.5	60.0	13.2	1.4	0.0	0.0	0.0	475.8	459.2	436.3	415.6	.	.	.
Sweden	237	218	5.2	32.2	39.6	23.0	6.2	0.0	1.5	442.2	429.0	437.5	439.5	368.6	.	419.2
United States	392	308	35.3	42.4	16.7	5.5	17.9	0.0	0.5	482.6	481.1	490.8	509.3	484.3	.	535.2
International Avg (n=9)	2647	2452	27.3	43.0	21.7	8.0	5.9	0.0	1.0	469.1	465.7	462.0	464.5	468.8	.	468.0

Question: How much do you agree with these statements about advanced mathematics and physics education within your school. The school provides
 students with information about career options in advanced mathematics and physics

Location: TQG-06c (MTBG06C)

Country	Sample	Valid N	1.Agre e a lot %	2.Agre e a little %	3.Disa gree a little %	4.Disa gree a lot %	Not Admini stered %	Not Applic able %	Omitte d %	1.Agre e a lot Mean	2.Agre e a little Mean	3.Disa gree a little Mean	4.Disa gree a lot Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	395	24.2	60.8	13.5	1.5	6.4	0.0	0.6	469.3	460.8	448.9	470.2	479.0	.	484.3
Italy	284	256	16.1	49.1	20.6	14.2	8.3	0.0	1.4	464.0	425.1	415.2	389.4	403.4	.	386.1
Lebanon	275	266	46.1	41.1	10.1	2.6	1.0	0.0	2.3	536.1	523.7	543.9	542.5	524.9	.	531.6
Norway	170	159	45.8	44.6	8.1	1.5	9.9	0.0	0.7	464.8	455.7	469.5	497.3	440.9	.	415.7
Portugal	327	320	43.6	41.1	10.5	4.8	2.2	0.0	0.9	481.4	483.9	479.7	487.2	476.4	.	466.7
Russian Federation	390	383	64.9	31.5	3.0	0.6	1.0	0.0	0.8	492.7	468.0	479.8	437.5	572.7	.	436.3
Russian Federation 6hr+	174	172	71.6	26.9	1.5	0.0	3.0	0.0	0.6	549.6	512.0	591.2	.	532.9	.	566.3
Slovenia	147	147	17.4	59.6	21.4	1.6	0.0	0.0	0.0	496.9	453.1	446.6	480.9	.	.	.
Sweden	237	217	7.2	36.3	47.8	8.7	6.2	0.0	2.2	427.8	437.4	435.4	447.5	368.6	.	377.1
United States	392	308	22.4	52.6	22.6	2.4	17.9	0.0	0.5	466.1	494.8	479.0	495.7	484.3	.	535.2
International Avg (n=9)	2647	2451	32.0	46.3	17.5	4.2	5.9	0.0	1.0	477.7	466.9	466.4	472.0	468.8	.	454.1

Question: How much do you agree with these statements about advanced mathematics and physics education within your school. Advanced mathematics
 and physics teachers are admired by other teachers in the school
 Location: TQG-06d (MTBG06D)

Country	Sample	Valid N	1.Agre e a lot %	2.Agre e a little %	3.Disa gree a little %	4.Disa gree a lot %	Not Admini stered %	Not Applic able %	Omitte d %	1.Agre e a lot Mean	2.Agre e a little Mean	3.Disa gree a little Mean	4.Disa gree a lot Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	393	3.8	15.5	57.9	22.9	6.4	0.0	1.0	447.9	464.5	464.2	453.7	479.0	.	495.7
Italy	284	252	5.0	38.2	35.0	21.8	8.3	0.0	3.9	415.1	423.4	419.8	425.4	403.4	.	456.0
Lebanon	275	263	40.5	44.5	11.9	3.1	1.0	0.0	3.2	530.1	535.1	527.8	535.6	524.9	.	523.6
Norway	170	158	55.4	38.0	4.5	2.1	9.9	0.0	1.0	465.2	455.8	447.3	496.9	440.9	.	436.8
Portugal	327	316	14.8	43.1	25.4	16.7	2.2	0.0	0.8	487.6	488.3	476.3	470.7	476.2	.	503.8
Russian Federation	390	377	36.3	52.2	10.0	1.5	1.0	0.0	1.9	510.2	473.6	453.4	430.4	572.7	.	459.0
Russian Federation 6hr+	174	170	44.0	50.1	5.3	0.7	3.0	0.0	0.9	543.1	537.1	544.1	538.0	532.9	.	557.1
Slovenia	147	147	1.8	14.9	60.5	22.8	0.0	0.0	0.0	510.0	468.6	458.6	453.3	.	.	.
Sweden	237	208	2.0	24.7	50.4	22.9	6.2	0.0	5.6	435.5	440.6	436.8	435.1	368.6	.	401.7
United States	392	305	34.7	46.0	15.9	3.4	17.9	0.0	1.3	482.5	489.7	475.3	473.7	484.3	.	533.9
International Avg (n=9)	2647	2419	21.6	35.2	30.2	13.0	5.9	0.0	2.1	476.0	471.1	462.2	463.9	468.8	.	476.3

Question: How much do you agree with these statements about advanced mathematics and physics education within your school. Teachers have high expectations for student achievement in advanced mathematics and physics
 Location: TQG-06e (MTBG06E)

Country	Sample	Valid N	1.Agree a lot %	2.Agree a little %	3.Disagree a little %	4.Disagree a lot %	Not Administered %	Not Applicable %	Omitted %	1.Agree a lot Mean	2.Agree a little Mean	3.Disagree a little Mean	4.Disagree a lot Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	394	33.5	57.3	8.8	0.4	6.4	0.0	1.0	463.5	461.9	452.1	429.7	479.0	.	474.3
Italy	284	254	15.1	47.9	32.9	4.1	8.3	0.0	2.0	433.4	433.0	416.5	335.1	403.4	.	424.0
Lebanon	275	267	60.1	34.7	4.8	0.3	1.0	0.0	1.8	535.6	524.3	539.5	502.2	524.9	.	542.9
Norway	170	159	45.8	46.8	6.1	1.3	9.9	0.0	0.7	475.4	450.2	436.4	504.7	440.9	.	415.7
Portugal	327	319	22.4	49.0	26.7	1.8	2.2	0.0	0.9	493.9	485.2	468.8	463.5	476.4	.	483.0
Russian Federation	390	384	36.8	53.8	9.4	0.0	1.0	0.0	0.8	506.2	483.0	404.1	.	572.7	.	441.5
Russian Federation 6hr+	174	172	52.2	45.8	2.0	0.0	3.0	0.0	0.6	558.6	520.0	521.0	.	532.9	.	566.3
Slovenia	147	146	8.9	60.8	29.0	1.4	0.0	0.0	1.4	492.6	468.7	438.0	421.2	.	.	351.0
Sweden	237	219	22.2	68.5	9.3	0.0	6.2	0.0	1.1	455.7	431.0	418.7	.	368.6	.	424.7
United States	392	308	78.4	20.0	1.6	0.1	17.9	0.0	0.5	489.0	470.3	457.7	527.1	484.3	.	535.2
International Avg (n=9)	2647	2450	35.9	48.8	14.3	1.0	5.9	0.0	1.1	482.8	467.5	448.0	454.8	468.8	.	454.7

Question: How much do you agree with these statements about advanced mathematics and physics education within your school. Students at this school
 respect students who excel in advanced mathematics and physics

Location: TQG-06f (MTBG06F)

Country	Sample	Valid N	1.Agre e a lot %	2.Agre e a little %	3.Disa gree a little %	4.Disa gree a lot %	Not Admini stered %	Not Applic able %	Omitte d %	1.Agre e a lot Mean	2.Agre e a little Mean	3.Disa gree a little Mean	4.Disa gree a lot Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	391	17.2	46.8	30.2	5.8	6.4	0.0	1.4	473.8	460.4	460.4	441.0	479.0	.	461.2
Italy	284	254	35.9	57.0	5.9	1.2	8.3	0.0	1.9	431.4	422.1	414.2	357.1	403.4	.	400.4
Lebanon	275	267	66.6	28.4	4.7	0.3	1.0	0.0	2.1	538.0	517.4	534.1	502.2	524.9	.	535.8
Norway	170	158	51.9	43.6	3.2	1.3	9.9	0.0	1.0	471.7	451.5	414.9	504.7	440.9	.	436.8
Portugal	327	321	61.2	31.9	6.7	0.2	2.2	0.0	0.2	481.2	488.8	461.6	451.4	476.4	.	549.1
Russian Federation	390	381	42.7	48.5	8.3	0.5	1.0	0.0	1.2	505.5	471.5	451.3	404.5	572.7	.	458.2
Russian Federation 6hr+	174	170	53.5	46.0	0.6	0.0	3.0	0.0	2.4	549.8	530.9	528.1	.	532.9	.	514.0
Slovenia	147	147	6.6	47.3	42.7	3.3	0.0	0.0	0.0	470.7	463.0	454.7	459.0	.	.	.
Sweden	237	215	34.0	49.9	14.6	1.5	6.2	0.0	2.1	445.0	429.4	437.0	420.9	368.6	.	414.2
United States	392	306	56.1	37.5	5.0	1.4	17.9	0.0	1.1	485.5	490.8	453.4	382.3	484.3	.	536.5
International Avg (n=9)	2647	2440	41.4	43.4	13.5	1.7	5.9	0.0	1.2	478.1	466.1	453.5	435.9	468.8	.	474.0

Question: How much do you agree with these statements about advanced mathematics and physics education within your school. Parents expect their children to study advanced mathematics and physics

Location: TQG-06g (MTBG06G)

Country	Sample	Valid N	1.Agree a lot %	2.Agree a little %	3.Disagree a little %	4.Disagree a lot %	Not Administered %	Not Applicable %	Omitted %	1.Agree a lot Mean	2.Agree a little Mean	3.Disagree a little Mean	4.Disagree a lot Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	392	30.5	63.5	5.3	0.7	6.4	0.0	1.3	469.7	458.0	455.0	450.1	479.0	.	476.6
Italy	284	255	23.8	49.8	21.8	4.7	8.3	0.0	1.8	435.3	421.7	420.0	411.4	403.4	.	398.3
Lebanon	275	267	53.8	35.8	8.7	1.6	1.0	0.0	1.9	530.5	537.2	523.3	510.5	524.9	.	531.1
Norway	170	159	16.6	64.4	17.2	1.8	9.9	0.0	0.7	479.1	455.0	466.8	486.2	440.9	.	415.7
Portugal	327	316	30.4	53.0	15.2	1.3	2.2	0.0	2.6	486.0	481.0	483.7	464.4	476.4	.	469.7
Russian Federation	390	383	37.3	55.9	6.3	0.5	1.0	0.0	1.2	500.0	482.5	403.5	476.4	572.7	.	464.3
Russian Federation 6hr+	174	172	44.2	54.2	1.6	0.0	3.0	0.0	0.6	551.4	531.7	516.1	.	532.9	.	566.3
Slovenia	147	147	1.5	23.9	70.9	3.8	0.0	0.0	0.0	501.4	474.7	455.9	421.7	.	.	.
Sweden	237	207	10.3	58.8	29.1	1.8	6.2	0.0	5.7	455.8	437.5	432.0	437.9	368.6	.	395.4
United States	392	308	34.6	45.4	16.9	3.1	17.9	0.0	0.5	492.6	482.2	476.5	481.7	484.3	.	535.2
International Avg (n=9)	2647	2434	26.5	50.1	21.3	2.1	5.9	0.0	1.8	483.4	470.0	457.4	460.0	468.8	.	460.8

Question: Thinking about your current school, indicate the extent to which you agree or disagree with each of the following statements. This school is located in a safe neighborhood
 Location: TQG-07a (MTBG07A)

Country	Sample	Valid N	1.Agree a lot %	2.Agree a little %	3.Disagree a little %	4.Disagree a lot %	Not Administered %	Not Applicable %	Omitted %	1.Agree a lot Mean	2.Agree a little Mean	3.Disagree a little Mean	4.Disagree a lot Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	395	59.8	35.0	3.5	1.8	6.3	0.0	0.6	467.5	458.1	423.9	393.5	478.7	.	499.1
Italy	284	257	55.2	32.8	10.0	2.0	8.3	0.0	1.1	428.7	420.2	408.0	438.3	403.4	.	391.8
Lebanon	275	267	74.1	18.9	4.6	2.3	1.0	0.0	1.9	532.7	531.8	541.1	489.9	524.9	.	533.8
Norway	170	159	87.0	10.3	1.4	1.3	9.9	0.0	0.7	461.0	454.4	508.6	504.7	440.9	.	415.7
Portugal	327	321	77.0	20.4	0.7	2.0	2.2	0.0	0.2	483.4	481.8	500.3	435.4	476.4	.	549.1
Russian Federation	390	386	68.2	28.4	3.4	0.0	1.0	0.0	0.6	491.1	474.8	415.4	.	572.7	.	452.4
Russian Federation 6hr+	174	173	68.1	26.4	5.4	0.0	3.0	0.0	0.0	551.9	510.8	538.9	.	532.9	.	.
Slovenia	147	147	43.7	55.9	0.3	0.0	0.0	0.0	0.0	463.4	457.1	437.0	.	.	.	.
Sweden	237	221	62.2	35.5	2.3	0.0	6.2	0.0	0.0	441.6	427.0	387.3	.	368.6	.	.
United States	392	310	80.2	13.8	5.1	0.9	17.9	0.0	0.0	485.2	484.3	494.4	434.4	484.3	.	534.8
International Avg (n=9)	2647	2463	67.5	27.9	3.5	1.1	5.9	0.0	0.6	472.7	465.5	457.3	449.3	468.7	.	482.4

Question: Thinking about your current school, indicate the extent to which you agree or disagree with each of the following statements. I feel
 safe at this school

Location: TQG-07b (MTBG07B)

Country	Sample	Valid N	1.Agre e a lot %	2.Agre e a little %	3.Disa gree a little %	4.Disa gree a lot %	Not Admini stered %	Not Applic able %	Omitte d %	1.Agre e a lot Mean	2.Agre e a little Mean	3.Disa gree a little Mean	4.Disa gree a lot Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	395	68.7	30.2	1.1	0.0	6.3	0.0	0.6	466.1	453.9	365.7	.	478.7	.	499.1
Italy	284	257	58.3	34.5	5.9	1.3	8.3	0.0	1.1	428.1	422.7	395.2	406.0	403.4	.	391.8
Lebanon	275	270	81.0	17.2	1.4	0.5	1.0	0.0	0.9	531.3	536.8	525.0	569.6	524.9	.	489.5
Norway	170	159	95.5	3.3	0.0	1.3	9.9	0.0	0.7	460.8	468.3	.	504.7	440.9	.	415.7
Portugal	327	321	84.9	13.7	1.3	0.0	2.2	0.0	0.2	482.6	483.8	446.4	.	476.4	.	549.1
Russian Federation	390	387	80.4	19.0	0.6	0.0	1.0	0.0	0.0	491.1	452.6	486.2	.	572.7	.	.
Russian Federation 6hr+	174	173	90.3	9.7	0.0	0.0	3.0	0.0	0.0	543.0	515.7	.	.	532.9	.	.
Slovenia	147	147	51.9	47.8	0.3	0.0	0.0	0.0	0.0	470.1	448.7	437.0	.	.	.	.
Sweden	237	221	81.6	17.4	1.0	0.0	6.2	0.0	0.0	437.0	428.3	409.3	.	368.6	.	.
United States	392	310	87.0	11.4	1.6	0.0	17.9	0.0	0.0	487.7	473.4	424.8	.	484.3	.	534.8
International Avg (n=9)	2647	2467	76.6	21.6	1.5	0.3	5.9	0.0	0.4	472.8	463.2	436.2	493.4	468.7	.	480.0

Question: Thinking about your current school, indicate the extent to which you agree or disagree with each of the following statements. This
 school's security policies and practices are sufficient
 Location: TQG-07c (MTBG07C)

Country	Sample	Valid N	1.Agre e a lot %	2.Agre e a little %	3.Disa gree a little %	4.Disa gree a lot %	Not Admini stered %	Not Applic able %	Omitte d %	1.Agre e a lot Mean	2.Agre e a little Mean	3.Disa gree a little Mean	4.Disa gree a lot Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	395	51.5	41.5	6.5	0.4	6.3	0.0	0.6	468.9	456.8	436.3	386.6	478.7	.	499.1
Italy	284	257	42.1	43.2	13.2	1.5	8.3	0.0	1.1	427.1	419.8	432.9	381.1	403.4	.	391.8
Lebanon	275	267	63.9	28.7	7.1	0.4	1.0	0.0	1.6	542.3	517.5	509.5	459.4	524.9	.	495.9
Norway	170	159	83.9	11.8	2.9	1.3	9.9	0.0	0.7	461.6	463.1	435.8	504.7	440.9	.	415.7
Portugal	327	320	58.4	32.8	8.4	0.3	2.2	0.0	0.5	483.0	481.6	479.3	451.9	476.4	.	528.2
Russian Federation	390	387	74.2	25.0	0.8	0.0	1.0	0.0	0.0	488.0	472.4	445.1	.	572.7	.	.
Russian Federation 6hr+	174	173	84.3	15.7	0.0	0.0	3.0	0.0	0.0	537.3	556.6	.	.	532.9	.	.
Slovenia	147	147	38.4	56.6	5.0	0.0	0.0	0.0	0.0	473.8	453.2	426.9	.	.	.	.
Sweden	237	220	57.0	38.0	5.0	0.0	6.2	0.0	0.4	433.5	437.8	437.2	.	368.6	.	404.9
United States	392	310	72.7	21.2	5.1	0.9	17.9	0.0	0.0	484.5	488.5	488.8	436.7	484.3	.	534.8
International Avg (n=9)	2647	2462	60.2	33.2	6.0	0.5	5.9	0.0	0.6	473.6	465.6	454.6	436.7	468.7	.	467.2

Question: Thinking about your current school, indicate the extent to which you agree or disagree with each of the following statements. The students
 behave in an orderly manner
 Location: TQG-07d (MTBG07D)

Country	Sample	Valid N	1.Agre e a lot %	2.Agre e a little %	3.Disa gree a little %	4.Disa gree a lot %	Not Admini stered %	Not Applic able %	Omitte d %	1.Agre e a lot Mean	2.Agre e a little Mean	3.Disa gree a little Mean	4.Disa gree a lot Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	395	25.0	61.2	13.0	0.8	6.3	0.0	0.6	476.6	461.9	436.1	356.6	478.7	.	499.1
Italy	284	257	38.6	48.4	10.6	2.5	8.3	0.0	1.1	431.3	430.6	394.9	306.8	403.4	.	391.8
Lebanon	275	267	54.2	39.7	5.6	0.5	1.0	0.0	1.8	539.0	526.6	511.1	491.4	524.9	.	514.1
Norway	170	159	75.4	19.6	3.7	1.3	9.9	0.0	0.7	467.3	437.8	455.7	504.7	440.9	.	415.7
Portugal	327	321	26.2	55.4	17.2	1.2	2.2	0.0	0.2	491.8	478.0	479.3	512.0	476.4	.	549.1
Russian Federation	390	386	57.0	40.1	2.8	0.0	1.0	0.0	0.1	493.5	473.6	427.3	.	572.7	.	629.3
Russian Federation 6hr+	174	172	54.2	45.3	0.5	0.0	3.0	0.0	0.5	552.8	527.1	312.1	.	532.9	.	629.3
Slovenia	147	147	17.3	74.0	8.8	0.0	0.0	0.0	0.0	493.0	454.6	438.3	.	.	.	.
Sweden	237	221	41.4	51.8	6.3	0.5	6.2	0.0	0.0	451.2	425.0	413.5	441.6	368.6	.	.
United States	392	309	68.8	25.3	4.6	1.2	17.9	0.0	0.4	488.3	487.5	440.4	405.9	484.3	.	539.9
International Avg (n=9)	2647	2462	44.9	46.2	8.1	0.9	5.9	0.0	0.5	481.3	463.9	444.1	431.3	468.7	.	505.6

Question: Thinking about your current school, indicate the extent to which you agree or disagree with each of the following statements. The students are respectful of the teachers

Location: TQG-07e (MTBG07E)

Country	Sample	Valid N	1.Agree a lot %	2.Agree a little %	3.Disagree a little %	4.Disagree a lot %	Not Administered %	Not Applicable %	Omitted %	1.Agree a lot Mean	2.Agree a little Mean	3.Disagree a little Mean	4.Disagree a lot Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	394	27.7	65.6	6.7	0.0	6.3	0.0	0.6	472.3	460.7	423.3	.	478.7	.	494.5
Italy	284	257	39.1	50.3	7.6	3.0	8.3	0.0	1.1	437.6	423.0	410.2	301.1	403.4	.	391.8
Lebanon	275	270	71.5	24.3	3.8	0.3	1.0	0.0	0.9	538.2	519.5	511.3	446.4	524.9	.	489.5
Norway	170	159	62.9	33.3	2.5	1.3	9.9	0.0	0.7	467.1	451.2	439.1	504.7	440.9	.	415.7
Portugal	327	321	31.5	57.4	10.2	1.0	2.2	0.0	0.2	490.4	479.8	468.1	509.0	476.4	.	549.1
Russian Federation	390	386	53.6	44.3	2.1	0.0	1.0	0.0	0.2	499.4	467.0	429.9	.	572.7	.	577.1
Russian Federation 6hr+	174	172	47.5	52.3	0.2	0.0	3.0	0.0	0.8	566.9	515.7	511.6	.	532.9	.	577.1
Slovenia	147	147	19.2	69.0	11.8	0.0	0.0	0.0	0.0	491.6	454.8	437.2	.	.	.	.
Sweden	237	220	37.5	56.7	5.4	0.5	6.2	0.0	0.6	447.8	430.0	408.1	441.6	368.6	.	374.2
United States	392	308	62.6	31.6	4.3	1.5	17.9	0.0	0.6	489.5	483.9	445.2	425.4	484.3	.	528.2
International Avg (n=9)	2647	2462	45.1	48.1	6.0	0.8	5.9	0.0	0.5	481.5	463.3	441.4	438.0	468.7	.	477.5

Question: Thinking about your current school, indicate the extent to which you agree or disagree with each of the following statements. The students respect school property

Location: TQG-07f (MTBG07F)

Country	Sample	Valid N	1.Agree a lot %	2.Agree a little %	3.Disagree a little %	4.Disagree a lot %	Not Administered %	Not Applicable %	Omitted %	1.Agree a lot Mean	2.Agree a little Mean	3.Disagree a little Mean	4.Disagree a lot Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	395	18.3	66.0	14.8	0.9	6.3	0.0	0.6	469.6	462.5	446.5	452.9	478.7	.	499.1
Italy	284	257	17.8	60.9	15.7	5.6	8.3	0.0	1.1	417.4	433.8	424.7	335.8	403.4	.	391.8
Lebanon	275	269	53.6	32.8	13.2	0.4	1.0	0.0	1.1	537.8	521.9	538.9	423.4	524.9	.	498.0
Norway	170	159	54.9	36.5	7.3	1.3	9.9	0.0	0.7	468.4	452.4	448.8	504.7	440.9	.	415.7
Portugal	327	321	21.9	60.2	15.9	2.0	2.2	0.0	0.2	485.4	480.9	483.4	480.2	476.4	.	549.1
Russian Federation	390	386	34.5	59.9	5.6	0.0	1.0	0.0	0.6	486.9	484.9	444.2	.	572.7	.	559.6
Russian Federation 6hr+	174	173	29.9	62.1	7.9	0.0	3.0	0.0	0.0	561.2	540.3	461.1	.	532.9	.	.
Slovenia	147	147	16.3	67.1	16.6	0.0	0.0	0.0	0.0	485.5	459.7	434.9	.	.	.	.
Sweden	237	221	23.6	63.6	12.8	0.0	6.2	0.0	0.0	445.1	432.3	431.5	.	368.6	.	.
United States	392	309	54.8	34.1	9.7	1.4	17.9	0.0	0.4	486.2	493.7	455.2	426.8	484.3	.	539.9
International Avg (n=9)	2647	2464	32.9	53.5	12.4	1.3	5.9	0.0	0.5	475.8	469.1	456.4	437.3	468.7	.	493.3

Question: Thinking about your current school, indicate the extent to which you agree or disagree with each of the following statements. This
 school has clear rules about student conduct
 Location: TQG-07g (MTBG07G)

Country	Sample	Valid N	1.Agre e a lot %	2.Agre e a little %	3.Disa gree a little %	4.Disa gree a lot %	Not Admini stered %	Not Applic able %	Omitte d %	1.Agre e a lot Mean	2.Agre e a little Mean	3.Disa gree a little Mean	4.Disa gree a lot Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	393	28.0	54.7	16.4	0.9	6.4	0.0	1.0	468.4	462.3	448.3	415.8	479.0	.	487.6
Italy	284	257	69.2	24.2	5.5	1.1	8.3	0.0	1.1	420.1	442.1	409.9	345.2	403.4	.	391.8
Lebanon	275	270	73.9	18.9	4.8	2.4	1.0	0.0	0.9	537.5	518.4	504.7	539.7	524.9	.	489.5
Norway	170	159	53.7	38.4	6.5	1.3	9.9	0.0	0.7	463.6	455.8	470.1	504.7	440.9	.	415.7
Portugal	327	321	52.0	38.3	9.5	0.2	2.2	0.0	0.2	481.9	482.1	483.0	564.7	476.4	.	549.1
Russian Federation	390	387	82.8	16.0	1.2	0.0	1.0	0.0	0.0	490.0	452.9	460.0	.	572.7	.	.
Russian Federation 6hr+	174	173	81.2	18.8	0.0	0.0	3.0	0.0	0.0	545.1	519.8	.	.	532.9	.	.
Slovenia	147	147	28.4	57.1	14.5	0.0	0.0	0.0	0.0	480.9	450.8	454.0	.	.	.	.
Sweden	237	221	30.3	54.3	14.2	1.1	6.2	0.0	0.0	434.3	433.6	441.0	461.9	368.6	.	.
United States	392	309	63.3	27.5	7.0	2.3	17.9	0.0	0.4	483.4	497.1	466.4	435.0	484.3	.	539.9
International Avg (n=9)	2647	2464	53.5	36.6	8.8	1.0	5.9	0.0	0.5	473.3	466.1	459.7	466.7	468.8	.	478.9

Question: Thinking about your current school, indicate the extent to which you agree or disagree with each of the following statements. This school's rules are enforced in a fair and consistent manner
 Location: TQG-07h (MTBG07H)

Country	Sample	Valid N	1.Agree a lot %	2.Agree a little %	3.Disagree a little %	4.Disagree a lot %	Not Administered %	Not Applicable %	Omitted %	1.Agree a lot Mean	2.Agree a little Mean	3.Disagree a little Mean	4.Disagree a lot Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	391	24.5	56.8	17.9	0.7	6.4	0.0	1.4	471.6	462.3	444.7	460.7	479.0	.	472.7
Italy	284	257	36.5	44.8	15.9	2.8	8.3	0.0	1.1	412.5	442.2	409.8	364.5	403.4	.	391.8
Lebanon	275	269	55.7	37.3	5.1	1.8	1.0	0.0	1.0	534.8	531.6	510.8	541.0	524.9	.	477.4
Norway	170	159	38.8	42.9	15.5	2.9	9.9	0.0	0.7	472.2	451.2	458.4	490.2	440.9	.	415.7
Portugal	327	321	40.5	47.3	10.3	1.9	2.2	0.0	0.2	485.1	478.8	482.6	505.9	476.4	.	549.1
Russian Federation	390	387	87.8	11.4	0.8	0.0	1.0	0.0	0.0	486.7	465.2	425.9	.	572.7	.	.
Russian Federation 6hr+	174	173	90.5	9.5	0.0	0.0	3.0	0.0	0.0	540.6	537.8	.	.	532.9	.	.
Slovenia	147	147	14.6	55.7	28.9	0.8	0.0	0.0	0.0	471.2	463.4	445.5	522.3	.	.	.
Sweden	237	221	19.1	58.4	21.1	1.5	6.2	0.0	0.0	437.4	434.6	433.1	461.0	368.6	.	.
United States	392	309	52.8	28.7	14.2	4.2	17.9	0.0	0.4	480.9	494.4	485.0	469.1	484.3	.	539.9
International Avg (n=9)	2647	2461	41.1	42.6	14.4	1.8	5.9	0.0	0.5	472.5	469.3	455.1	476.8	468.8	.	474.4

Question: In your current school, how severe is each problem. The school building needs significant repair
 Location: TQG-08a (MTBG08A)

Country	Sample	Valid N	1.Not a proble m %	2.Mino r proble m %	3.Mode rate proble m %	4.Seri ous proble m %	Not Admini stered %	Not Applic able %	Omitte d %	1.Not a proble m Mean	2.Mino r proble m Mean	3.Mode rate proble m Mean	4.Seri ous proble m Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	397	36.9	32.1	20.1	10.9	6.3	0.0	0.1	466.5	460.9	461.1	447.9	478.7	.	455.1
Italy	284	257	27.3	38.5	26.4	7.7	8.1	0.0	1.5	426.6	426.3	417.8	430.3	398.8	.	395.9
Lebanon	275	272	54.2	27.5	12.0	6.2	1.0	0.0	0.0	538.3	532.5	509.2	518.0	524.9	.	.
Norway	170	159	53.5	29.3	12.8	4.5	9.9	0.0	0.7	466.2	466.9	439.5	433.8	440.9	.	415.7
Portugal	327	321	50.6	16.6	15.2	17.6	2.2	0.0	0.2	481.0	477.0	483.2	490.1	476.4	.	549.1
Russian Federation	390	387	19.2	43.8	26.2	10.8	1.0	0.0	0.0	510.1	495.5	450.1	470.8	572.7	.	.
Russian Federation 6hr+	174	173	24.8	40.5	24.2	10.5	3.0	0.0	0.0	561.6	556.0	505.0	511.0	532.9	.	.
Slovenia	147	147	55.9	27.4	9.5	7.3	0.0	0.0	0.0	460.4	463.5	475.0	421.8	.	.	.
Sweden	237	220	41.7	37.5	17.4	3.5	6.2	0.0	0.3	426.5	440.9	448.8	419.2	368.6	.	340.4
United States	392	309	63.2	27.4	7.8	1.5	17.9	0.0	0.8	482.8	478.9	509.7	579.4	484.3	.	465.7
International Avg (n=9)	2647	2469	44.7	31.1	16.4	7.8	5.9	0.0	0.4	473.2	471.4	466.1	467.9	468.2	.	437.0

Question: In your current school, how severe is each problem. Teachers do not have adequate workspace (e.g., for preparation, collaboration,
 or meeting with students)
 Location: TQG-08b (MTBG08B)

Country	Sample	Valid N	1.Not a proble m %	2.Mino r proble m %	3.Mode rate proble m %	4.Seri ous proble m %	Not Admini stered %	Not Applic able %	Omitte d %	1.Not a proble m Mean	2.Mino r proble m Mean	3.Mode rate proble m Mean	4.Seri ous proble m Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	397	25.9	27.6	30.2	16.3	6.3	0.0	0.0	463.6	461.8	462.7	455.6	478.7	.	559.8
Italy	284	257	20.2	24.7	32.6	22.4	8.1	0.0	1.5	421.3	415.0	428.7	432.1	398.8	.	387.3
Lebanon	275	268	46.5	34.5	12.6	6.4	1.0	0.0	1.3	537.1	528.9	519.3	529.3	524.9	.	563.7
Norway	170	159	44.3	28.4	19.6	7.6	9.9	0.0	0.7	473.4	455.3	447.5	452.5	440.9	.	415.7
Portugal	327	321	37.1	22.1	23.0	17.8	2.2	0.0	0.2	479.9	479.8	488.9	481.7	476.4	.	549.1
Russian Federation	390	385	55.7	27.8	14.8	1.8	1.0	0.0	0.2	475.9	496.0	484.1	528.4	572.7	.	542.2
Russian Federation 6hr+	174	171	55.5	25.4	16.2	2.8	3.0	0.0	1.3	539.4	523.8	564.0	569.9	532.9	.	542.2
Slovenia	147	147	47.7	23.1	22.8	6.4	0.0	0.0	0.0	465.2	441.1	471.6	444.8	.	.	.
Sweden	237	221	31.4	42.8	18.4	7.4	6.2	0.0	0.0	435.9	433.4	442.1	425.8	368.6	.	.
United States	392	310	66.8	25.4	7.2	0.6	17.9	0.0	0.0	483.1	494.3	480.5	381.8	484.3	.	534.8
International Avg (n=9)	2647	2465	41.7	28.5	20.1	9.6	5.9	0.0	0.4	470.6	467.3	469.5	459.1	468.2	.	507.5

Question: In your current school, how severe is each problem. Teachers do not have adequate instructional materials and supplies
 Location: TQG-08c (MTBG08C)

Country	Sample	Valid N	1.Not a proble m %	2.Mino r proble m %	3.Mode rate proble m %	4.Seri ous proble m %	Not Admini stered %	Not Applic able %	Omitte d %	1.Not a proble m Mean	2.Mino r proble m Mean	3.Mode rate proble m Mean	4.Seri ous proble m Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	396	39.8	28.3	22.1	9.8	6.3	0.0	0.1	461.8	459.3	471.5	444.3	478.7	.	505.0
Italy	284	257	27.1	34.8	29.9	8.1	8.1	0.0	1.2	410.8	428.0	432.1	421.2	398.8	.	421.5
Lebanon	275	270	49.1	34.8	11.4	4.6	1.0	0.0	0.8	541.3	525.3	520.1	512.2	524.9	.	531.2
Norway	170	159	54.4	29.9	14.4	1.3	9.9	0.0	0.7	469.0	451.4	459.8	406.2	440.9	.	415.7
Portugal	327	321	42.4	33.2	18.7	5.6	2.2	0.0	0.2	481.4	483.7	478.6	491.8	476.4	.	549.1
Russian Federation	390	385	63.8	28.2	8.1	0.0	1.0	0.0	0.2	488.3	481.6	453.3	.	572.7	.	542.2
Russian Federation 6hr+	174	171	62.1	28.8	9.2	0.0	3.0	0.0	1.3	544.5	540.4	511.6	.	532.9	.	542.2
Slovenia	147	147	76.7	14.8	8.5	0.0	0.0	0.0	0.0	463.6	437.0	465.1	.	.	.	.
Sweden	237	221	53.9	34.1	10.1	2.0	6.2	0.0	0.0	432.0	442.1	435.6	401.7	368.6	.	.
United States	392	309	57.8	31.2	9.7	1.4	17.9	0.0	0.4	486.7	483.4	480.6	469.9	484.3	.	539.9
International Avg (n=9)	2647	2465	51.7	29.9	14.8	3.6	5.9	0.0	0.4	470.5	465.8	466.3	449.6	468.2	.	500.6

Question: In your current school, how severe is each problem. The school classrooms are not cleaned often enough
 Location: TQG-08d (MTBG08D)

Country	Sample	Valid N	1.Not a proble m %	2.Mino r proble m %	3.Mode rate proble m %	4.Seri ous proble m %	Not Admini stered %	Not Applic able %	Omitte d %	1.Not a proble m Mean	2.Mino r proble m Mean	3.Mode rate proble m Mean	4.Seri ous proble m Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	396	64.8	19.7	11.8	3.7	6.3	0.0	0.1	463.7	459.4	454.9	456.2	478.7	.	505.0
Italy	284	257	42.4	36.3	16.3	5.0	8.1	0.0	1.3	421.8	431.1	423.1	406.9	398.8	.	380.1
Lebanon	275	271	73.6	16.8	7.8	1.8	1.0	0.0	0.3	538.6	515.7	499.4	555.9	524.9	.	518.1
Norway	170	159	74.7	22.3	2.7	0.2	9.9	0.0	0.7	461.6	459.3	479.6	476.3	440.9	.	415.7
Portugal	327	321	62.7	27.9	7.9	1.5	2.2	0.0	0.2	482.6	481.3	481.3	488.9	476.4	.	549.1
Russian Federation	390	384	81.0	15.2	3.5	0.3	1.0	0.0	0.3	485.7	470.8	481.6	581.6	572.7	.	546.5
Russian Federation 6hr+	174	170	81.5	11.5	5.2	1.8	3.0	0.0	1.5	543.2	499.9	567.8	581.6	532.9	.	546.5
Slovenia	147	147	84.4	14.3	1.2	0.0	0.0	0.0	0.0	459.4	461.0	475.5	.	.	.	.
Sweden	237	221	48.8	38.3	11.1	1.7	6.2	0.0	0.0	428.1	444.0	436.1	434.8	368.6	.	.
United States	392	309	77.7	18.8	2.8	0.8	17.9	0.0	0.4	484.4	482.6	508.1	502.6	484.3	.	539.9
International Avg (n=9)	2647	2465	67.8	23.3	7.2	1.7	5.9	0.0	0.4	469.5	467.2	471.1	487.9	468.2	.	493.5

Question: In your current school, how severe is each problem. The school classrooms need maintenance work
 Location: TQG-08e (MTBG08E)

Country	Sample	Valid N	1.Not a proble m %	2.Mino r proble m %	3.Mode rate proble m %	4.Seri ous proble m %	Not Admini stered %	Not Applic able %	Omitte d %	1.Not a proble m Mean	2.Mino r proble m Mean	3.Mode rate proble m Mean	4.Seri ous proble m Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	396	44.0	34.6	14.9	6.5	6.3	0.0	0.1	463.7	462.2	464.9	435.6	478.7	.	505.0
Italy	284	258	20.5	38.4	35.0	6.1	8.1	0.0	1.1	422.8	427.2	424.1	413.3	398.8	.	391.8
Lebanon	275	272	51.7	34.2	7.9	6.3	1.0	0.0	0.0	544.6	523.2	490.6	527.2	524.9	.	.
Norway	170	158	50.1	41.7	7.5	0.7	9.9	0.0	1.4	466.9	458.9	443.5	474.0	440.9	.	420.8
Portugal	327	321	49.9	23.2	14.7	12.2	2.2	0.0	0.2	480.0	480.6	489.9	485.6	476.4	.	549.1
Russian Federation	390	384	31.7	47.7	15.9	4.7	1.0	0.0	0.4	502.8	477.6	471.2	457.2	572.7	.	515.8
Russian Federation 6hr+	174	170	37.7	43.4	12.6	6.3	3.0	0.0	1.9	553.3	542.8	508.5	517.1	532.9	.	515.8
Slovenia	147	147	60.7	32.6	3.6	3.1	0.0	0.0	0.0	457.5	469.9	414.3	451.1	.	.	.
Sweden	237	221	39.2	43.0	13.7	4.2	6.2	0.0	0.0	426.7	442.7	441.0	419.2	368.6	.	.
United States	392	309	66.5	29.9	2.8	0.8	17.9	0.0	0.4	477.9	496.5	515.5	522.4	484.3	.	539.9
International Avg (n=9)	2647	2466	46.0	36.2	12.9	5.0	5.9	0.0	0.4	471.4	471.0	461.7	465.1	468.2	.	487.1

Question: In your current school, how severe is each problem. Teachers do not have adequate technological resources
 Location: TQG-08f (MTBG08F)

Country	Sample	Valid N	1.Not a proble m %	2.Mino r proble m %	3.Mode rate proble m %	4.Seri ous proble m %	Not Admini stered %	Not Applic able %	Omitte d %	1.Not a proble m Mean	2.Mino r proble m Mean	3.Mode rate proble m Mean	4.Seri ous proble m Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	397	45.5	26.8	15.9	11.8	6.3	0.0	0.1	467.0	451.5	468.0	454.3	478.7	.	554.0
Italy	284	257	30.6	39.7	22.4	7.3	8.1	0.0	1.5	408.4	443.0	419.3	406.4	398.8	.	395.9
Lebanon	275	269	37.5	36.6	13.1	12.8	1.0	0.0	0.8	538.7	533.2	513.7	525.9	524.9	.	549.6
Norway	170	159	61.6	30.2	7.8	0.4	9.9	0.0	0.7	466.2	450.7	469.3	415.8	440.9	.	415.7
Portugal	327	321	46.6	29.3	16.5	7.5	2.2	0.0	0.2	481.9	482.3	483.6	481.1	476.4	.	549.1
Russian Federation	390	385	52.2	34.2	11.2	2.4	1.0	0.0	0.2	492.7	478.3	471.0	421.8	572.7	.	542.2
Russian Federation 6hr+	174	171	54.5	32.5	11.2	1.8	3.0	0.0	1.3	553.0	524.1	531.3	504.9	532.9	.	542.2
Slovenia	147	147	55.8	31.4	12.0	0.9	0.0	0.0	0.0	469.2	443.3	460.4	444.0	.	.	.
Sweden	237	221	43.6	42.3	12.5	1.6	6.2	0.0	0.0	439.2	430.9	440.9	392.8	368.6	.	.
United States	392	309	55.1	31.3	11.7	2.0	17.9	0.0	0.4	486.4	487.8	479.1	430.2	484.3	.	539.9
International Avg (n=9)	2647	2465	47.6	33.5	13.7	5.2	5.9	0.0	0.4	472.2	466.8	467.3	441.4	468.2	.	506.6

Question: In your current school, how severe is each problem. Teachers do not have adequate support for using technology
 Location: TQG-08g (MTBG08G)

Country	Sample	Valid N	1.Not a proble m %	2.Mino r proble m %	3.Mode rate proble m %	4.Seri ous proble m %	Not Admini stered %	Not Applic able %	Omitte d %	1.Not a proble m Mean	2.Mino r proble m Mean	3.Mode rate proble m Mean	4.Seri ous proble m Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	394	32.7	31.8	26.1	9.4	6.4	0.0	0.6	465.5	464.6	450.6	466.5	479.0	.	481.1
Italy	284	256	29.2	37.9	25.6	7.3	8.1	0.0	1.8	403.7	442.7	424.7	409.5	398.8	.	407.8
Lebanon	275	270	34.4	42.5	14.0	9.0	1.0	0.0	0.6	538.6	535.4	523.2	502.0	524.9	.	556.7
Norway	170	159	53.3	40.1	5.9	0.6	9.9	0.0	0.7	466.7	454.1	465.5	469.7	440.9	.	415.7
Portugal	327	321	46.1	30.0	18.5	5.4	2.2	0.0	0.2	483.5	477.3	487.5	481.3	476.4	.	549.1
Russian Federation	390	385	56.6	29.9	11.1	2.4	1.0	0.0	0.2	497.6	470.7	460.5	422.6	572.7	.	542.2
Russian Federation 6hr+	174	171	58.1	26.5	11.4	4.0	3.0	0.0	1.3	547.8	529.2	543.0	496.8	532.9	.	542.2
Slovenia	147	147	56.1	27.1	16.3	0.4	0.0	0.0	0.0	458.6	462.4	458.4	505.5	.	.	.
Sweden	237	221	32.5	45.8	19.1	2.5	6.2	0.0	0.0	427.6	439.9	439.5	414.8	368.6	.	.
United States	392	309	45.8	35.8	15.6	2.9	17.9	0.0	0.4	477.3	489.5	501.7	456.2	484.3	.	539.9
International Avg (n=9)	2647	2462	43.0	35.7	16.9	4.4	5.9	0.0	0.5	468.8	470.7	468.0	458.7	468.2	.	498.9

Question: How often do you have the following types of interactions with other teachers. Discuss how to teach a particular topic
 Location: TQG-09a (MTBG09A)

Country	Sample	Valid N	1.Very often %	2.Ofte n %	3.Some times %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Very often Mean	2.Ofte n Mean	3.Some times Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	398	24.7	41.3	31.1	2.9	6.3	0.0	0.0	464.5	463.9	460.8	413.4	478.7	.	.
Italy	284	258	25.3	38.6	33.4	2.8	8.1	0.0	1.1	455.5	422.1	410.8	335.9	398.8	.	391.8
Lebanon	275	271	41.5	34.0	22.2	2.3	1.0	0.0	0.1	538.8	524.4	533.6	506.2	524.9	.	468.7
Norway	170	159	9.1	35.9	48.3	6.6	9.9	0.0	0.7	451.8	465.5	462.0	451.0	440.9	.	415.7
Portugal	327	321	33.8	40.4	23.9	1.9	2.2	0.0	0.2	478.0	486.4	479.3	505.3	476.4	.	549.1
Russian Federation	390	383	20.6	57.3	22.0	0.1	1.0	0.0	1.0	500.2	482.7	469.3	740.8	572.7	.	494.6
Russian Federation 6hr+	174	171	21.0	44.6	33.8	0.6	3.0	0.0	1.0	559.4	538.7	529.2	740.8	532.9	.	475.3
Slovenia	147	147	12.7	49.8	37.1	0.4	0.0	0.0	0.0	453.9	462.9	457.1	512.2	.	.	.
Sweden	237	220	31.5	38.1	29.6	0.8	6.2	0.0	1.1	439.7	429.3	435.6	474.3	368.6	.	467.7
United States	392	310	21.2	32.0	37.5	9.4	17.9	0.0	0.0	476.3	492.8	489.9	459.6	484.3	.	534.8
International Avg (n=9)	2647	2467	24.5	40.8	31.7	3.0	5.9	0.0	0.5	473.2	470.0	466.5	488.7	468.2	.	474.6

Question: How often do you have the following types of interactions with other teachers. Collaborate in planning and preparing instructional materials
 Location: TQG-09b (MTBG09B)

Country	Sample	Valid N	1.Very often %	2.Ofte n %	3.Some times %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Very often Mean	2.Ofte n Mean	3.Some times Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	397	15.5	32.4	43.7	8.4	6.3	0.0	0.1	462.2	464.1	461.5	450.4	478.7	.	554.0
Italy	284	258	13.6	26.4	50.4	9.6	8.1	0.0	1.1	421.1	455.0	411.1	414.5	398.8	.	391.8
Lebanon	275	270	31.1	38.0	24.4	6.5	1.0	0.0	0.5	537.5	532.9	527.3	522.9	524.9	.	466.2
Norway	170	159	6.1	24.6	55.8	13.6	9.9	0.0	0.7	446.7	466.8	460.9	461.8	440.9	.	415.7
Portugal	327	321	55.6	29.5	13.0	1.9	2.2	0.0	0.2	481.7	486.3	475.2	485.2	476.4	.	549.1
Russian Federation	390	383	15.9	53.3	29.2	1.6	1.0	0.0	1.0	508.8	484.1	469.1	481.7	572.7	.	494.6
Russian Federation 6hr+	174	171	16.7	51.5	27.4	4.4	3.0	0.0	1.0	561.7	537.5	542.1	496.7	532.9	.	475.3
Slovenia	147	147	4.7	29.8	57.7	7.9	0.0	0.0	0.0	473.7	460.8	459.4	450.8	.	.	.
Sweden	237	220	18.4	39.5	37.9	4.2	6.2	0.0	1.1	436.0	439.8	430.0	426.7	368.6	.	467.7
United States	392	309	24.6	25.1	39.2	11.1	17.9	0.0	0.4	481.1	491.9	487.4	468.5	484.3	.	539.9
International Avg (n=9)	2647	2464	20.6	33.2	39.0	7.2	5.9	0.0	0.6	472.1	475.7	464.6	462.5	468.2	.	484.9

Question: How often do you have the following types of interactions with other teachers. Share what I have learned about my teaching experiences
 Location: TQG-09c (MTBG09C)

Country	Sample	Valid N	1.Very often %	2.Ofte n %	3.Some times %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Very often Mean	2.Ofte n Mean	3.Some times Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	397	15.4	36.9	43.3	4.4	6.3	0.0	0.1	472.9	456.4	460.9	470.3	478.7	.	554.0
Italy	284	258	14.6	36.8	41.4	7.2	8.1	0.0	1.1	449.8	410.9	432.6	394.3	398.8	.	391.8
Lebanon	275	270	47.7	33.6	17.1	1.6	1.0	0.0	0.3	531.4	530.9	533.9	535.9	524.9	.	597.5
Norway	170	159	14.7	48.1	33.3	3.9	9.9	0.0	0.7	455.7	460.7	465.4	462.6	440.9	.	415.7
Portugal	327	321	36.9	38.1	22.7	2.3	2.2	0.0	0.2	482.6	480.9	485.4	467.7	476.4	.	549.1
Russian Federation	390	381	12.1	58.4	29.5	0.0	1.0	0.0	1.6	526.5	490.2	455.2	.	572.7	.	451.5
Russian Federation 6hr+	174	170	15.0	55.0	30.0	0.0	3.0	0.0	1.1	579.2	533.7	535.1	.	532.9	.	484.2
Slovenia	147	147	15.3	53.5	29.4	1.8	0.0	0.0	0.0	442.5	464.7	460.3	453.1	.	.	.
Sweden	237	220	24.7	48.8	26.5	0.0	6.2	0.0	1.1	439.5	433.8	432.5	.	368.6	.	467.7
United States	392	309	20.4	31.9	39.1	8.7	17.9	0.0	0.4	487.1	489.7	481.4	477.5	484.3	.	539.9
International Avg (n=9)	2647	2462	22.4	42.9	31.4	3.3	5.9	0.0	0.6	476.4	468.7	467.5	465.9	468.2	.	495.9

Question: How often do you have the following types of interactions with other teachers. Visit another classroom to learn more about teaching
 Location: TQG-09d (MTBG09D)

Country	Sample	Valid N	1.Very often %	2.Ofte n %	3.Some times %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Very often Mean	2.Ofte n Mean	3.Some times Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	397	0.7	3.0	15.5	80.8	6.3	0.0	0.1	454.8	452.6	459.0	462.4	478.7	.	554.0
Italy	284	257	0.7	3.7	13.8	81.7	8.1	0.0	1.3	416.6	382.3	419.3	427.6	398.8	.	373.3
Lebanon	275	271	14.3	22.5	31.4	31.8	1.0	0.0	0.1	529.2	538.5	525.6	535.0	524.9	.	468.7
Norway	170	159	0.0	3.9	23.4	72.8	9.9	0.0	0.7	.	435.1	468.3	460.8	440.9	.	415.7
Portugal	327	321	1.2	3.5	20.2	75.1	2.2	0.0	0.2	473.9	472.9	478.5	483.8	476.4	.	549.1
Russian Federation	390	383	5.4	41.6	50.7	2.3	1.0	0.0	1.0	529.3	495.8	468.4	490.8	572.7	.	494.6
Russian Federation 6hr+	174	171	8.4	29.4	59.7	2.4	3.0	0.0	1.0	559.7	520.8	544.9	622.5	532.9	.	475.3
Slovenia	147	147	0.0	2.6	54.0	43.4	0.0	0.0	0.0	.	392.9	462.8	460.1	.	.	.
Sweden	237	220	2.3	7.4	40.4	49.9	6.2	0.0	1.1	407.5	439.2	425.4	443.1	368.6	.	467.7
United States	392	309	2.8	9.6	44.2	43.4	17.9	0.0	0.8	457.9	493.4	486.0	484.6	484.3	.	465.7
International Avg (n=9)	2647	2464	3.1	10.9	32.6	53.5	5.9	0.0	0.6	467.0	455.8	465.9	472.0	468.2	.	473.6

Question: How often do you have the following types of interactions with other teachers. Work together to try out new ideas
 Location: TQG-09e (MTBG09E)

Country	Sample	Valid N	1.Very often %	2.Ofte n %	3.Some times %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Very often Mean	2.Ofte n Mean	3.Some times Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	398	7.3	19.9	53.0	19.8	6.3	0.0	0.0	465.2	469.8	458.5	460.1	478.7	.	.
Italy	284	258	5.7	19.0	50.9	24.5	8.1	0.0	1.1	453.2	475.9	411.3	404.9	398.8	.	391.8
Lebanon	275	271	25.9	38.5	28.3	7.3	1.0	0.0	0.1	531.1	536.9	526.4	531.0	524.9	.	468.7
Norway	170	159	5.7	21.4	59.5	13.3	9.9	0.0	0.7	444.6	473.0	458.6	463.9	440.9	.	415.7
Portugal	327	321	17.9	32.7	40.4	9.0	2.2	0.0	0.2	477.9	482.9	481.9	490.1	476.4	.	549.1
Russian Federation	390	383	10.2	45.3	42.1	2.5	1.0	0.0	1.0	510.0	500.5	458.3	497.4	572.7	.	494.6
Russian Federation 6hr+	174	171	11.7	41.8	45.1	1.3	3.0	0.0	1.0	562.9	536.3	541.2	486.9	532.9	.	475.3
Slovenia	147	147	2.7	21.4	60.2	15.6	0.0	0.0	0.0	475.7	452.4	462.8	455.4	.	.	.
Sweden	237	220	7.9	30.8	56.9	4.4	6.2	0.0	1.1	429.6	434.9	436.4	423.6	368.6	.	467.7
United States	392	309	10.8	23.7	45.1	20.4	17.9	0.0	0.4	480.0	493.6	482.7	482.2	484.3	.	539.9
International Avg (n=9)	2647	2466	10.4	28.1	48.5	13.0	5.9	0.0	0.5	474.1	480.0	464.1	467.6	468.2	.	475.3

Question: How often do you have the following types of interactions with other teachers. Work as a group on implementing the curriculum
 Location: TQG-09f (MTBG09F)

Country	Sample	Valid N	1.Very often %	2.Ofte n %	3.Some times %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Very often Mean	2.Ofte n Mean	3.Some times Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	397	13.7	24.0	46.5	15.8	6.3	0.0	0.1	471.0	460.1	463.0	451.1	478.7	.	554.0
Italy	284	258	5.5	20.3	49.4	24.8	8.1	0.0	1.1	428.0	434.5	430.5	403.2	398.8	.	391.8
Lebanon	275	270	30.4	38.1	24.3	7.2	1.0	0.0	0.5	525.4	537.9	532.8	521.8	524.9	.	587.4
Norway	170	159	9.0	29.8	50.9	10.2	9.9	0.0	0.7	464.1	459.0	465.3	448.4	440.9	.	415.7
Portugal	327	321	27.2	32.4	33.0	7.4	2.2	0.0	0.2	484.9	481.8	479.5	486.6	476.4	.	549.1
Russian Federation	390	383	8.8	48.3	37.3	5.5	1.0	0.0	1.0	528.1	490.9	461.6	498.0	572.7	.	494.6
Russian Federation 6hr+	174	171	11.1	36.8	47.1	4.9	3.0	0.0	1.0	552.8	545.0	535.3	539.2	532.9	.	475.3
Slovenia	147	147	2.5	20.8	55.6	21.1	0.0	0.0	0.0	491.3	460.8	462.4	448.3	.	.	.
Sweden	237	220	7.8	23.1	58.4	10.8	6.2	0.0	1.1	442.0	440.4	436.6	408.2	368.6	.	467.7
United States	392	309	21.4	32.3	33.6	12.7	17.9	0.0	0.4	481.7	489.7	490.6	462.8	484.3	.	539.9
International Avg (n=9)	2647	2464	14.0	29.9	43.2	12.8	5.9	0.0	0.6	479.6	472.8	469.1	458.7	468.2	.	500.0

Question: How often do you have the following types of interactions with other teachers. Work with teachers from other grades to ensure continuity in learning
 Location: TQG-09g (MTBG09G)

Country	Sample	Valid N	1.Very often %	2.Ofte n %	3.Some times %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Very often Mean	2.Ofte n Mean	3.Some times Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	397	4.2	18.6	48.1	29.2	6.3	0.0	0.1	479.8	468.3	463.1	452.0	478.7	.	554.0
Italy	284	258	8.6	31.6	44.7	15.2	8.1	0.0	1.1	392.6	438.7	428.1	401.6	398.8	.	391.8
Lebanon	275	271	38.9	37.7	19.3	4.2	1.0	0.0	0.1	530.6	534.1	526.0	553.9	524.9	.	468.7
Norway	170	159	4.7	18.4	44.3	32.5	9.9	0.0	0.7	457.6	460.9	461.5	462.7	440.9	.	415.7
Portugal	327	321	6.0	27.2	45.2	21.6	2.2	0.0	0.2	489.0	481.6	484.3	476.9	476.4	.	549.1
Russian Federation	390	382	14.5	47.7	35.2	2.6	1.0	0.0	1.1	493.9	485.8	473.5	524.9	572.7	.	493.1
Russian Federation 6hr+	174	171	15.9	41.9	39.2	2.9	3.0	0.0	1.0	552.9	537.8	536.5	583.3	532.9	.	475.3
Slovenia	147	147	15.2	44.4	30.1	10.4	0.0	0.0	0.0	483.2	457.7	454.6	449.3	.	.	.
Sweden	237	218	3.7	15.4	39.0	41.8	6.2	0.0	1.8	441.4	434.7	429.9	438.4	368.6	.	466.4
United States	392	309	9.5	19.7	45.3	25.5	17.9	0.0	0.4	476.5	491.6	488.1	476.9	484.3	.	539.9
International Avg (n=9)	2647	2462	11.7	29.0	39.0	20.3	5.9	0.0	0.6	471.6	472.6	467.7	470.7	468.2	.	484.8

Question: How often do you feel the following way about being a teacher. I am content with my profession as a teacher
 Location: TQG-10a (MTBG10A)

Country	Sample	Valid N	1.Very often %	2.Ofte n %	3.Some times %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Very often Mean	2.Ofte n Mean	3.Some times Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	396	43.2	43.2	13.2	0.4	6.3	0.0	0.3	463.9	459.5	459.5	450.4	478.7	.	532.7
Italy	284	256	29.6	49.5	17.8	3.1	8.1	0.0	1.8	430.3	427.1	416.2	371.6	398.8	.	402.2
Lebanon	275	268	76.9	18.6	4.4	0.2	1.0	0.0	1.8	532.2	534.3	527.5	470.9	524.9	.	514.4
Norway	170	158	57.7	39.7	2.6	0.0	9.9	0.0	1.4	470.3	450.7	426.9	.	440.9	.	449.8
Portugal	327	322	33.1	38.2	27.8	0.9	2.2	0.0	0.0	490.1	476.4	481.9	467.1	476.4	.	.
Russian Federation	390	385	37.9	57.9	4.2	0.1	1.0	0.0	0.1	509.4	469.9	438.5	625.0	572.7	.	548.2
Russian Federation 6hr+	174	172	49.3	45.9	4.3	0.6	3.0	0.0	0.7	552.8	530.7	525.8	625.0	532.9	.	335.0
Slovenia	147	144	34.0	51.2	14.0	0.9	0.0	0.0	0.5	480.2	448.8	449.1	458.7	.	.	499.2
Sweden	237	217	30.0	55.3	13.0	1.8	6.2	0.0	1.6	440.8	434.9	422.0	437.0	368.6	.	443.5
United States	392	308	59.5	31.1	7.7	1.7	17.9	0.0	0.8	483.0	491.2	463.8	504.7	484.3	.	558.0
International Avg (n=9)	2647	2454	44.6	42.7	11.6	1.0	5.9	0.0	0.9	477.8	465.9	453.9	473.2	468.2	.	493.5

Question: How often do you feel the following way about being a teacher. I am satisfied with being a teacher at this school
 Location: TQG-10b (MTBG10B)

Country	Sample	Valid N	1.Very often %	2.Ofte n %	3.Some times %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Very often Mean	2.Ofte n Mean	3.Some times Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	396	47.2	43.5	8.7	0.6	6.3	0.0	0.3	466.5	460.3	435.1	518.3	478.7	.	532.7
Italy	284	257	39.6	40.6	17.8	1.9	8.1	0.0	1.5	428.9	428.4	412.9	359.7	398.8	.	391.8
Lebanon	275	269	81.0	15.3	2.3	1.5	1.0	0.0	1.5	532.6	532.0	533.7	517.5	524.9	.	506.3
Norway	170	158	62.9	32.6	4.5	0.0	9.9	0.0	1.4	467.8	453.2	430.4	.	440.9	.	449.8
Portugal	327	322	42.3	43.5	13.3	0.9	2.2	0.0	0.0	483.5	487.1	463.9	471.8	476.4	.	.
Russian Federation	390	387	48.8	48.0	3.2	0.0	1.0	0.0	0.0	506.8	463.8	431.8	.	572.7	.	.
Russian Federation 6hr+	174	172	59.0	39.6	1.3	0.0	3.0	0.0	0.7	545.8	539.3	443.3	.	532.9	.	335.0
Slovenia	147	144	42.4	46.2	11.0	0.4	0.0	0.0	0.5	482.6	440.5	449.4	505.5	.	.	499.2
Sweden	237	217	35.5	48.2	15.3	1.0	6.2	0.0	1.6	441.9	435.5	419.2	414.7	368.6	.	443.5
United States	392	308	59.9	30.0	8.2	1.9	17.9	0.0	0.8	480.6	494.3	474.0	494.2	484.3	.	558.0
International Avg (n=9)	2647	2458	51.1	38.6	9.4	0.9	5.9	0.0	0.8	476.8	466.1	450.0	468.8	468.2	.	483.1

Question: How often do you feel the following way about being a teacher. I find my work full of meaning and purpose
 Location: TQG-10c (MTBG10C)

Country	Sample	Valid N	1.Very often %	2.Ofte n %	3.Some times %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Very often Mean	2.Ofte n Mean	3.Some times Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	394	38.8	42.3	15.6	3.3	6.4	0.0	0.8	466.8	457.2	461.5	447.1	479.0	.	496.0
Italy	284	256	32.0	44.0	22.0	2.0	8.1	0.0	1.8	428.2	426.9	421.9	338.4	398.8	.	402.2
Lebanon	275	267	84.7	13.3	2.0	0.0	1.0	0.0	2.4	533.6	528.7	524.5	.	524.9	.	500.0
Norway	170	158	60.8	33.6	5.4	0.3	9.9	0.0	1.4	468.9	452.5	433.5	435.3	440.9	.	449.8
Portugal	327	321	59.0	29.9	10.9	0.2	2.2	0.0	0.1	481.1	485.8	480.3	451.3	476.4	.	501.6
Russian Federation	390	386	51.8	44.8	3.3	0.0	1.0	0.0	0.6	499.7	468.6	445.0	.	572.7	.	452.4
Russian Federation 6hr+	174	172	63.1	31.3	5.6	0.0	3.0	0.0	0.7	550.8	518.7	570.2	.	532.9	.	335.0
Slovenia	147	144	35.2	54.1	10.7	0.0	0.0	0.0	0.5	471.3	454.2	448.6	.	.	.	499.2
Sweden	237	219	56.6	39.0	3.8	0.6	6.2	0.0	1.3	440.0	428.9	421.9	448.4	368.6	.	446.9
United States	392	308	66.8	28.0	4.6	0.7	17.9	0.0	0.8	486.0	481.5	474.6	516.7	484.3	.	558.0
International Avg (n=9)	2647	2453	54.0	36.6	8.7	0.8	5.9	0.0	1.1	475.1	464.9	456.9	439.5	468.2	.	478.5

Question: How often do you feel the following way about being a teacher. I am enthusiastic about my job
 Location: TQG-10d (MTBG10D)

Country	Sample	Valid N	1.Very often %	2.Ofte n %	3.Some times %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Very often Mean	2.Ofte n Mean	3.Some times Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	394	37.6	40.0	18.6	3.8	6.4	0.0	0.8	463.5	464.1	453.3	448.4	479.0	.	496.0
Italy	284	256	33.2	31.2	31.6	4.1	8.1	0.0	1.9	416.7	435.0	428.9	381.1	398.8	.	384.0
Lebanon	275	264	76.1	19.1	3.9	0.9	1.0	0.0	2.9	531.6	536.5	530.2	514.0	524.9	.	518.4
Norway	170	158	60.6	30.4	9.1	0.0	9.9	0.0	1.4	472.8	443.1	446.3	.	440.9	.	449.8
Portugal	327	322	26.7	38.9	32.0	2.4	2.2	0.0	0.0	487.9	479.4	482.7	464.8	476.4	.	.
Russian Federation	390	387	54.1	42.6	3.3	0.0	1.0	0.0	0.0	504.0	462.3	427.9	.	572.7	.	.
Russian Federation 6hr+	174	172	70.5	27.6	1.9	0.0	3.0	0.0	0.7	543.3	533.2	615.3	.	532.9	.	335.0
Slovenia	147	144	28.1	45.2	23.2	3.5	0.0	0.0	0.5	470.1	453.1	466.4	413.9	.	.	499.2
Sweden	237	217	35.2	46.1	16.3	2.4	6.2	0.0	1.6	434.0	441.0	421.9	426.5	368.6	.	443.5
United States	392	308	70.7	23.4	5.6	0.4	17.9	0.0	0.8	480.3	495.0	493.6	459.7	484.3	.	558.0
International Avg (n=9)	2647	2450	46.9	35.2	15.9	1.9	5.9	0.0	1.1	473.4	467.7	461.3	444.1	468.2	.	478.4

Question: How often do you feel the following way about being a teacher. My work inspires me
 Location: TQG-10e (MTBG10E)

Country	Sample	Valid N	1.Very often %	2.Ofte n %	3.Some times %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Very often Mean	2.Ofte n Mean	3.Some times Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	396	29.1	51.1	17.2	2.7	6.3	0.0	0.3	465.8	458.6	463.7	451.6	478.7	.	532.7
Italy	284	257	33.4	40.8	22.4	3.4	8.1	0.0	1.5	442.8	419.8	411.7	386.0	398.8	.	391.8
Lebanon	275	267	61.0	35.0	3.5	0.5	1.0	0.0	2.5	527.5	542.3	533.2	511.1	524.9	.	498.7
Norway	170	158	55.7	34.6	9.7	0.0	9.9	0.0	1.4	473.2	448.6	439.2	.	440.9	.	449.8
Portugal	327	322	27.1	43.4	28.4	1.1	2.2	0.0	0.0	490.1	482.0	476.0	474.0	476.4	.	.
Russian Federation	390	386	36.1	50.4	12.8	0.6	1.0	0.0	0.1	512.2	474.3	444.1	427.0	572.7	.	458.5
Russian Federation 6hr+	174	172	45.0	45.7	8.8	0.6	3.0	0.0	0.7	555.6	531.1	522.1	625.0	532.9	.	335.0
Slovenia	147	144	27.3	46.7	25.0	1.0	0.0	0.0	0.5	470.0	456.6	454.5	445.6	.	.	499.2
Sweden	237	217	29.8	45.8	22.8	1.6	6.2	0.0	1.6	438.5	440.6	420.0	429.3	368.6	.	443.5
United States	392	308	59.2	29.6	10.4	0.9	17.9	0.0	0.8	482.2	486.1	490.4	511.0	484.3	.	558.0
International Avg (n=9)	2647	2455	39.8	41.9	16.9	1.3	5.9	0.0	1.0	478.0	467.6	459.2	454.5	468.2	.	479.0

Question: How often do you feel the following way about being a teacher. I am proud of the work I do
 Location: TQG-10f (MTBG10F)

Country	Sample	Valid N	1.Very often %	2.Ofte n %	3.Some times %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Very often Mean	2.Ofte n Mean	3.Some times Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	394	33.3	47.5	16.7	2.5	6.4	0.0	0.8	462.1	457.3	469.6	470.6	479.0	.	496.0
Italy	284	256	39.0	33.2	23.7	4.1	8.1	0.0	1.8	423.0	431.0	419.3	414.4	398.8	.	402.2
Lebanon	275	268	78.5	19.2	2.3	0.0	1.0	0.0	1.6	531.8	538.5	496.3	.	524.9	.	509.4
Norway	170	158	57.7	34.7	7.6	0.0	9.9	0.0	1.4	470.2	449.1	450.4	.	440.9	.	449.8
Portugal	327	322	54.3	38.3	7.4	0.0	2.2	0.0	0.0	486.1	479.2	471.7	.	476.4	.	.
Russian Federation	390	387	38.3	49.8	10.7	1.2	1.0	0.0	0.0	501.9	482.0	432.0	439.1	572.7	.	.
Russian Federation 6hr+	174	172	47.5	43.7	8.3	0.6	3.0	0.0	0.7	540.6	542.3	541.6	625.0	532.9	.	335.0
Slovenia	147	144	31.9	48.8	18.8	0.5	0.0	0.0	0.5	475.9	451.9	453.0	423.2	.	.	499.2
Sweden	237	219	38.3	46.2	14.3	1.1	6.2	0.0	1.3	439.8	436.1	418.3	441.9	368.6	.	446.9
United States	392	308	75.0	21.6	3.2	0.2	17.9	0.0	0.8	484.6	483.8	480.5	529.3	484.3	.	558.0
International Avg (n=9)	2647	2456	49.6	37.7	11.6	1.1	5.9	0.0	0.9	475.0	467.6	454.6	453.1	468.2	.	480.2

Question: How often do you feel the following way about being a teacher. I am going to continue teaching for as long as I can
 Location: TQG-10g (MTBG10G)

Country	Sample	Valid N	1.Very often %	2.Ofte n %	3.Some times %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Very often Mean	2.Ofte n Mean	3.Some times Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	392	39.4	41.2	14.3	5.1	6.4	0.0	1.1	463.7	460.1	463.2	444.2	479.0	.	495.1
Italy	284	257	28.6	29.5	29.3	12.6	8.1	0.0	1.5	409.5	442.3	417.2	434.0	398.8	.	391.8
Lebanon	275	269	82.6	9.3	7.4	0.7	1.0	0.0	1.5	533.4	531.5	524.6	504.6	524.9	.	506.3
Norway	170	157	56.5	28.8	10.6	4.1	9.9	0.0	1.6	467.4	459.8	440.9	444.5	440.9	.	445.6
Portugal	327	322	60.7	23.5	13.7	2.1	2.2	0.0	0.0	483.5	486.3	470.8	481.8	476.4	.	.
Russian Federation	390	386	39.6	45.0	13.9	1.5	1.0	0.0	0.1	501.2	476.6	464.5	395.5	572.7	.	684.5
Russian Federation 6hr+	174	172	50.9	38.9	9.2	1.0	3.0	0.0	0.7	540.3	546.6	539.4	459.9	532.9	.	335.0
Slovenia	147	144	40.6	49.5	7.8	2.1	0.0	0.0	0.5	468.5	451.8	464.6	453.1	.	.	499.2
Sweden	237	211	22.3	41.7	28.9	7.1	6.2	0.0	3.7	427.0	440.1	437.6	420.4	368.6	.	439.1
United States	392	307	56.5	27.6	12.4	3.5	17.9	0.0	1.0	479.8	492.8	494.9	456.1	484.3	.	542.9
International Avg (n=9)	2647	2445	47.4	32.9	15.4	4.3	5.9	0.0	1.2	470.4	471.3	464.2	448.2	468.2	.	500.6

Question: Indicate the extent to which you agree or disagree with each of the following statements. There are too many students in the classes
 Location: TQG-11a (MTBG11A)

Country	Sample	Valid N	1.Agre e a lot %	2.Agre e a little %	3.Disa gree a little %	4.Disa gree a lot %	Not Admini stered %	Not Applic able %	Omitte d %	1.Agre e a lot Mean	2.Agre e a little Mean	3.Disa gree a little Mean	4.Disa gree a lot Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	396	50.0	38.9	8.8	2.3	6.3	0.0	0.1	457.9	470.2	447.1	445.8	478.7	.	539.8
Italy	284	257	36.2	45.0	12.6	6.2	8.1	0.0	1.5	420.6	425.1	449.0	392.9	398.8	.	391.8
Lebanon	275	269	13.7	23.8	28.4	34.1	1.0	0.0	2.0	552.0	532.8	525.5	530.5	524.9	.	500.5
Norway	170	158	16.7	49.8	19.7	13.8	9.9	0.0	1.0	470.6	469.7	447.4	442.4	440.9	.	416.8
Portugal	327	320	62.3	29.7	4.2	3.9	2.2	0.0	0.3	480.8	483.6	500.2	476.3	476.4	.	528.0
Russian Federation	390	385	10.7	31.2	40.3	17.7	1.0	0.0	1.1	505.0	487.7	471.9	495.2	572.7	.	412.7
Russian Federation 6hr+	174	172	11.1	33.9	35.0	20.0	3.0	0.0	0.2	542.5	547.1	532.0	543.0	532.9	.	468.0
Slovenia	147	147	24.3	46.5	27.6	1.6	0.0	0.0	0.0	439.7	473.0	454.9	465.2	.	.	.
Sweden	237	220	22.8	42.1	23.0	12.1	6.2	0.0	1.1	433.9	444.5	421.6	428.4	368.6	.	467.7
United States	392	308	17.8	39.1	21.4	21.7	17.9	0.0	0.8	472.0	497.3	476.9	478.8	484.3	.	558.0
International Avg (n=9)	2647	2460	28.3	38.5	20.7	12.6	5.9	0.0	0.9	470.3	476.0	466.1	461.7	468.2	.	476.9

Question: Indicate the extent to which you agree or disagree with each of the following statements. I have too much material to cover in class
 Location: TQG-11b (MTBG11B)

Country	Sample	Valid N	1.Agre e a lot %	2.Agre e a little %	3.Disa gree a little %	4.Disa gree a lot %	Not Admini stered %	Not Applic able %	Omitte d %	1.Agre e a lot Mean	2.Agre e a little Mean	3.Disa gree a little Mean	4.Disa gree a lot Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	395	25.8	39.7	28.8	5.7	6.3	0.0	0.4	458.9	465.8	458.9	454.0	478.7	.	517.8
Italy	284	257	45.5	40.9	9.5	4.1	8.1	0.0	1.5	441.1	413.5	390.5	429.2	398.8	.	391.8
Lebanon	275	267	37.7	42.7	9.9	9.7	1.0	0.0	2.2	530.2	529.7	537.3	550.3	524.9	.	502.9
Norway	170	159	21.1	53.1	21.4	4.5	9.9	0.0	0.7	459.7	458.9	472.1	452.2	440.9	.	415.7
Portugal	327	320	55.9	31.0	7.6	5.5	2.2	0.0	0.3	479.0	489.4	478.8	480.6	476.4	.	528.0
Russian Federation	390	386	16.0	51.6	27.7	4.7	1.0	0.0	0.1	485.1	478.5	486.7	517.4	572.7	.	637.4
Russian Federation 6hr+	174	172	17.0	39.1	33.5	10.4	3.0	0.0	0.4	505.6	554.7	529.9	572.5	532.9	.	637.4
Slovenia	147	147	19.8	41.2	36.6	2.4	0.0	0.0	0.0	444.8	469.1	459.1	435.3	.	.	.
Sweden	237	219	13.9	52.1	27.8	6.2	6.2	0.0	1.4	420.4	441.9	428.2	438.4	368.6	.	454.1
United States	392	307	24.5	38.2	25.2	12.1	17.9	0.0	1.0	487.4	487.2	490.9	455.0	484.3	.	558.1
International Avg (n=9)	2647	2457	28.9	43.4	21.6	6.1	5.9	0.0	0.8	467.4	470.4	467.0	468.0	468.2	.	500.7

Question: Indicate the extent to which you agree or disagree with each of the following statements. I have too many teaching hours
 Location: TQG-11c (MTBG11C)

Country	Sample	Valid N	1.Agre e a lot %	2.Agre e a little %	3.Disa gree a little %	4.Disa gree a lot %	Not Admini stered %	Not Applic able %	Omitte d %	1.Agre e a lot Mean	2.Agre e a little Mean	3.Disa gree a little Mean	4.Disa gree a lot Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	392	4.2	23.7	60.5	11.6	6.4	0.0	1.1	450.0	460.8	462.0	462.2	479.0	.	487.7
Italy	284	255	3.4	16.7	36.9	43.0	8.1	0.0	2.0	478.2	441.1	429.7	410.7	398.8	.	373.9
Lebanon	275	267	22.4	30.5	23.4	23.7	1.0	0.0	2.8	535.0	533.7	531.5	529.9	524.9	.	510.6
Norway	170	159	2.9	28.3	44.7	24.1	9.9	0.0	0.7	429.1	456.3	463.4	468.3	440.9	.	415.7
Portugal	327	319	50.2	31.4	14.2	4.2	2.2	0.0	1.0	480.2	481.0	490.1	489.0	476.4	.	494.6
Russian Federation	390	387	13.9	35.5	30.5	20.0	1.0	0.0	0.0	502.0	490.5	478.8	466.6	572.7	.	.
Russian Federation 6hr+	174	173	18.1	37.0	25.2	19.8	3.0	0.0	0.0	535.7	540.0	547.4	536.0	532.9	.	.
Slovenia	147	147	14.5	33.2	41.2	11.2	0.0	0.0	0.0	450.3	465.5	459.0	457.8	.	.	.
Sweden	237	220	20.0	25.7	31.3	23.0	6.2	0.0	1.1	430.4	429.4	440.9	436.5	368.6	.	467.7
United States	392	306	9.9	21.2	36.4	32.5	17.9	0.0	1.3	493.4	489.1	484.1	477.5	484.3	.	557.4
International Avg (n=9)	2647	2452	15.7	27.4	35.5	21.5	5.9	0.0	1.1	472.1	471.9	471.1	466.5	468.2	.	472.5

Question: Indicate the extent to which you agree or disagree with each of the following statements. I need more time to prepare for class
 Location: TQG-11d (MTBG11D)

Country	Sample	Valid N	1.Agre e a lot %	2.Agre e a little %	3.Disa gree a little %	4.Disa gree a lot %	Not Admini stered %	Not Applic able %	Omitte d %	1.Agre e a lot Mean	2.Agre e a little Mean	3.Disa gree a little Mean	4.Disa gree a lot Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	391	11.0	40.6	42.4	6.1	6.4	0.0	1.3	458.4	460.3	462.2	463.4	479.0	.	494.2
Italy	284	257	21.5	47.5	19.8	11.1	8.1	0.0	1.5	450.4	425.0	409.9	398.3	398.8	.	391.8
Lebanon	275	268	14.2	31.7	24.5	29.6	1.0	0.0	2.4	531.5	530.7	540.0	529.4	524.9	.	501.4
Norway	170	159	8.7	45.1	37.2	9.0	9.9	0.0	0.7	457.5	463.3	460.7	460.8	440.9	.	415.7
Portugal	327	320	51.6	37.0	9.6	1.8	2.2	0.0	0.3	476.2	486.0	490.3	536.7	476.4	.	528.0
Russian Federation	390	385	15.7	43.6	32.1	8.6	1.0	0.0	0.9	486.6	464.9	504.6	491.1	572.7	.	534.7
Russian Federation 6hr+	174	173	15.9	48.4	24.7	10.9	3.0	0.0	0.0	522.5	541.7	553.1	531.1	532.9	.	.
Slovenia	147	147	7.7	47.6	39.6	5.2	0.0	0.0	0.0	436.4	464.1	458.8	461.8	.	.	.
Sweden	237	220	26.0	46.7	21.8	5.5	6.2	0.0	1.1	436.6	427.5	448.8	433.4	368.6	.	467.7
United States	392	307	23.4	39.8	21.4	15.5	17.9	0.0	1.1	480.2	497.1	492.0	445.7	484.3	.	563.4
International Avg (n=9)	2647	2454	20.0	42.2	27.6	10.3	5.9	0.0	1.0	468.2	468.8	474.1	469.0	468.2	.	487.1

Question: Indicate the extent to which you agree or disagree with each of the following statements. I need more time to assist individual students
 Location: TQG-11e (MTBG11E)

Country	Sample	Valid N	1.Agre e a lot %	2.Agre e a little %	3.Disa gree a little %	4.Disa gree a lot %	Not Admini stered %	Not Applic able %	Omitte d %	1.Agre e a lot Mean	2.Agre e a little Mean	3.Disa gree a little Mean	4.Disa gree a lot Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	396	47.7	47.6	3.3	1.4	6.3	0.0	0.1	461.6	461.3	461.2	468.4	478.7	.	505.0
Italy	284	257	49.2	45.8	3.6	1.3	8.1	0.0	1.5	426.9	428.0	368.8	367.2	398.8	.	391.8
Lebanon	275	268	36.6	36.2	16.7	10.5	1.0	0.0	2.5	531.3	533.8	534.2	529.0	524.9	.	512.1
Norway	170	159	33.4	56.2	8.7	1.7	9.9	0.0	0.7	466.6	458.9	459.9	459.7	440.9	.	415.7
Portugal	327	320	76.1	20.6	3.2	0.2	2.2	0.0	0.3	479.1	493.9	478.0	547.2	476.4	.	528.0
Russian Federation	390	387	28.3	57.8	10.7	3.2	1.0	0.0	0.0	484.1	478.8	501.3	511.7	572.7	.	.
Russian Federation 6hr+	174	173	15.7	64.2	14.0	6.1	3.0	0.0	0.0	562.0	527.7	567.2	556.2	532.9	.	.
Slovenia	147	147	24.1	58.7	17.2	0.0	0.0	0.0	0.0	454.8	460.5	464.5	.	.	.	.
Sweden	237	220	39.2	49.5	10.6	0.7	6.2	0.0	1.1	434.7	432.9	445.5	423.9	368.6	.	467.7
United States	392	308	29.1	50.9	14.5	5.5	17.9	0.0	0.8	484.6	488.5	485.7	442.5	484.3	.	558.0
International Avg (n=9)	2647	2462	40.4	47.0	9.8	2.7	5.9	0.0	0.8	469.3	470.7	466.6	468.7	468.2	.	482.6

Question: Indicate the extent to which you agree or disagree with each of the following statements. I feel too much pressure from parents
 Location: TQG-11f (MTBG11F)

Country	Sample	Valid N	1.Agre e a lot %	2.Agre e a little %	3.Disa gree a little %	4.Disa gree a lot %	Not Admini stered %	Not Applic able %	Omitte d %	1.Agre e a lot Mean	2.Agre e a little Mean	3.Disa gree a little Mean	4.Disa gree a lot Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	394	5.3	22.0	55.3	17.5	6.4	0.0	0.8	492.9	462.1	462.7	446.1	479.0	.	496.0
Italy	284	257	8.8	25.9	31.9	33.3	8.1	0.0	1.5	454.4	435.1	418.5	414.1	398.8	.	391.8
Lebanon	275	265	3.7	14.5	25.9	55.9	1.0	0.0	4.4	516.0	533.1	527.8	533.6	524.9	.	544.7
Norway	170	159	1.0	15.0	32.4	51.6	9.9	0.0	0.7	495.0	454.3	460.7	463.6	440.9	.	415.7
Portugal	327	319	13.1	35.7	30.9	20.3	2.2	0.0	0.4	479.2	478.5	484.5	486.9	476.4	.	539.1
Russian Federation	390	387	1.8	8.0	52.7	37.5	1.0	0.0	0.0	479.9	448.0	475.1	503.7	572.7	.	.
Russian Federation 6hr+	174	173	0.3	5.8	52.0	41.9	3.0	0.0	0.0	420.5	521.8	550.1	531.6	532.9	.	.
Slovenia	147	147	14.2	38.8	42.4	4.6	0.0	0.0	0.0	427.1	465.9	465.0	461.0	.	.	.
Sweden	237	220	0.8	10.1	57.6	31.5	6.2	0.0	1.1	451.2	427.2	434.2	438.0	368.6	.	467.7
United States	392	307	3.8	22.5	42.3	31.3	17.9	0.0	0.9	505.9	502.7	481.1	472.6	484.3	.	566.4
International Avg (n=9)	2647	2455	5.8	21.4	41.3	31.5	5.9	0.0	1.1	477.9	467.4	467.8	468.8	468.2	.	488.8

Question: Indicate the extent to which you agree or disagree with each of the following statements. I have difficulty keeping up with all of the changes to the curriculum

Location: TQG-11g (MTBG11G)

Country	Sample	Valid N	1.Agree a lot %	2.Agree a little %	3.Disagree a little %	4.Disagree a lot %	Not Administered %	Not Applicable %	Omitted %	1.Agree a lot Mean	2.Agree a little Mean	3.Disagree a little Mean	4.Disagree a lot Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	393	1.5	14.5	61.0	23.1	6.4	0.0	1.0	483.7	472.3	459.1	458.5	479.0	.	493.0
Italy	284	257	7.0	31.0	39.2	22.8	8.1	0.0	1.5	431.5	432.7	422.3	414.8	398.8	.	391.8
Lebanon	275	268	6.5	13.2	12.6	67.7	1.0	0.0	2.5	551.9	515.1	539.3	532.7	524.9	.	512.1
Norway	170	159	5.8	20.0	35.3	39.0	9.9	0.0	0.7	459.9	463.6	457.0	465.0	440.9	.	415.7
Portugal	327	320	4.6	26.3	33.3	35.7	2.2	0.0	0.3	479.1	478.3	482.5	485.3	476.4	.	528.0
Russian Federation	390	385	2.4	25.3	55.3	16.9	1.0	0.0	0.4	504.0	478.7	486.0	480.3	572.7	.	516.8
Russian Federation 6hr+	174	173	3.5	23.1	49.5	23.9	3.0	0.0	0.0	609.0	519.8	543.5	543.5	532.9	.	.
Slovenia	147	147	2.3	23.3	63.5	10.9	0.0	0.0	0.0	423.8	470.2	458.0	455.5	.	.	.
Sweden	237	220	5.1	25.5	47.3	22.1	6.2	0.0	1.1	427.6	439.2	440.3	419.7	368.6	.	467.7
United States	392	308	9.0	28.1	28.3	34.5	17.9	0.0	0.8	488.1	482.1	488.4	482.0	484.3	.	558.0
International Avg (n=9)	2647	2457	4.9	23.0	41.7	30.3	5.9	0.0	0.9	472.2	470.2	470.3	466.0	468.2	.	485.4

Question: Indicate the extent to which you agree or disagree with each of the following statements. I have too many administrative tasks
 Location: TQG-11h (MTBG11H)

Country	Sample	Valid N	1.Agre e a lot %	2.Agre e a little %	3.Disa gree a little %	4.Disa gree a lot %	Not Admini stered %	Not Applic able %	Omitte d %	1.Agre e a lot Mean	2.Agre e a little Mean	3.Disa gree a little Mean	4.Disa gree a lot Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	394	11.7	36.7	41.1	10.5	6.4	0.0	0.6	465.6	451.9	468.6	461.8	479.0	.	481.0
Italy	284	257	21.5	34.1	23.0	21.4	8.1	0.0	1.5	437.2	439.6	422.9	389.4	398.8	.	391.8
Lebanon	275	258	8.0	19.9	24.4	47.6	1.0	0.0	5.3	528.8	541.1	531.4	530.0	524.9	.	522.9
Norway	170	159	12.7	44.4	27.1	15.8	9.9	0.0	0.7	465.9	456.1	460.2	475.7	440.9	.	415.7
Portugal	327	320	31.8	36.8	19.1	12.4	2.2	0.0	0.3	473.1	486.1	484.7	490.6	476.4	.	528.0
Russian Federation	390	386	5.0	13.4	30.9	50.7	1.0	0.0	0.4	447.0	506.3	475.0	486.5	572.7	.	508.5
Russian Federation 6hr+	174	173	6.2	12.9	35.7	45.2	3.0	0.0	0.0	533.2	552.8	546.4	532.9	532.9	.	.
Slovenia	147	147	35.9	44.8	17.2	2.1	0.0	0.0	0.0	453.9	454.0	481.0	511.4	.	.	.
Sweden	237	219	33.7	40.4	20.7	5.1	6.2	0.0	1.8	421.8	439.4	439.0	458.5	368.6	.	477.0
United States	392	308	19.9	33.3	25.5	21.2	17.9	0.0	0.8	488.4	491.2	499.0	452.6	484.3	.	558.0
International Avg (n=9)	2647	2448	20.0	33.8	25.4	20.8	5.9	0.0	1.3	464.6	474.0	473.5	472.9	468.2	.	485.4

Question: How many students are in this class
 Location: TQG-12 (MTBG12)

Country	Sample	Valid N	Not Adm. %	Not App. %	Omitt ed %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
France	425	385	7.4	0.0	0.6	30.3	35.0	3.0	18.0	22.0	28.0	32.0	35.0	35.0	36.0	38.0
Italy	284	253	8.7	0.0	1.5	21.3	22.0	2.0	11.0	15.0	18.0	22.0	25.0	27.0	28.0	30.0
Lebanon	275	267	1.4	0.0	0.6	15.2	7.0	2.0	5.0	7.0	9.0	14.0	21.0	26.0	29.0	47.0
Norway	170	158	9.9	0.0	1.1	20.9	6.0	5.0	9.0	12.0	15.0	22.0	26.0	29.0	30.0	35.0
Portugal	327	312	3.9	0.0	0.4	23.5	26.0	5.0	13.0	17.0	20.0	24.0	27.0	29.0	30.0	35.0
Russian Federation	390	387	1.0	0.0	0.0	20.4	24.0	3.0	9.0	11.0	16.0	21.0	25.0	28.0	29.0	35.0
Russian Federation 6hr+	174	173	3.0	0.0	0.0	22.3	24.0	4.0	12.0	13.0	19.0	24.0	26.0	29.0	30.0	31.0
Slovenia	147	145	0.6	0.0	0.4	25.3	26.0	2.0	16.0	20.0	23.0	26.0	29.0	30.0	31.0	32.0
Sweden	237	218	6.2	0.0	1.3	23.0	22.0	1.0	12.0	14.0	19.0	24.0	28.0	31.0	32.0	43.0
United States	392	309	17.9	0.0	1.1	22.6	30.0	3.0	8.0	10.0	15.0	23.0	29.0	33.0	35.0	76.0
International Avg (n=9)	2647	2434	6.3	0.0	0.8	22.5	22.0	2.9	11.2	14.2	18.1	23.1	27.2	29.8	31.1	41.2

Question: How many students in this class experience difficulties understanding spoken <language of test>
 Location: TQG-13 (MTBG13)

Country	Sample	Valid N	Not Adm. %	Not App. %	Omitt ed %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
France	425	385	7.4	0.0	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	12.0
Italy	284	225	8.7	0.0	12.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	10.0	17.0
Lebanon	275	251	1.2	0.0	6.3	3.6	0.0	0.0	0.0	0.0	0.0	2.0	5.0	10.0	12.0	26.0
Norway	170	158	9.9	0.0	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	14.0
Portugal	327	302	3.9	0.0	3.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.0	10.0	26.0
Russian Federation	390	375	1.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
Russian Federation 6hr+	174	170	3.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
Slovenia	147	146	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0
Sweden	237	214	6.2	0.0	2.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	15.0
United States	392	309	17.9	0.0	0.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	34.0
International Avg (n=9)	2647	2365	6.3	0.0	3.3	0.9	0.0	0.0	0.0	0.0	0.0	0.2	0.8	3.0	4.4	16.4

Question: How often do you do the following in teaching this class. Relate the lesson to students' daily lives
 Location: TQG-14a (MTBG14A)

Country	Sample	Valid N	1.Every or almost every lesson %	2.About half the lesson s %	3.Some lesson s %	4.Never r %	Not Admini stered %	Not Applic able %	Omitte d %	1.Every or almost every lesson Mean	2.About half the lesson s Mean	3.Some lesson s Mean	4.Never r Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	384	6.9	13.1	73.6	6.4	7.4	0.0	0.9	454.9	453.0	462.2	468.5	480.9	.	496.3
Italy	284	255	14.9	18.2	64.2	2.7	8.7	0.0	0.9	404.1	427.8	427.8	445.2	396.6	.	382.8
Lebanon	275	272	32.5	25.0	40.4	2.1	1.0	0.0	0.0	530.7	535.3	530.4	540.7	524.9	.	.
Norway	170	159	3.3	13.8	71.1	11.8	9.9	0.0	0.7	462.4	472.1	456.4	480.4	440.9	.	415.7
Portugal	327	315	14.0	18.8	64.7	2.4	3.9	0.0	0.0	476.1	484.7	485.7	441.0	461.8	.	.
Russian Federation	390	385	22.7	33.4	43.7	0.2	1.0	0.0	0.5	473.0	489.3	484.0	641.4	572.7	.	522.8
Russian Federation 6hr+	174	173	18.7	27.9	52.5	1.0	3.0	0.0	0.0	517.9	532.1	550.8	641.4	532.9	.	.
Slovenia	147	146	8.8	24.6	64.8	1.8	0.6	0.0	0.0	450.9	466.5	457.9	488.2	432.2	.	.
Sweden	237	219	5.2	20.9	69.5	4.4	6.2	0.0	0.9	438.7	437.0	434.2	434.5	368.6	.	450.9
United States	392	309	15.8	35.5	46.2	2.5	17.9	0.0	0.4	490.5	470.4	492.0	521.2	484.3	.	539.9
International Avg (n=9)	2647	2444	13.8	22.6	59.8	3.8	6.3	0.0	0.5	464.6	470.7	470.1	495.7	462.6	.	468.1

Question: How often do you do the following in teaching this class. Ask students to explain their answers
 Location: TQG-14b (MTBG14B)

Country	Sample	Valid N	1.Every or almost every lesson %	2.About half the lesson s %	3.Some lesson s %	4.Never r %	Not Admini stered %	Not Applic able %	Omitte d %	1.Every or almost every lesson Mean	2.About half the lesson s Mean	3.Some lesson s Mean	4.Never r Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	385	80.4	12.7	6.9	0.0	7.4	0.0	0.8	463.6	448.8	452.7	.	480.9	.	491.5
Italy	284	256	64.2	21.9	13.9	0.0	8.7	0.0	0.5	423.7	427.8	425.0	.	396.6	.	352.5
Lebanon	275	272	69.8	21.5	8.4	0.3	1.0	0.0	0.0	533.5	526.9	533.4	486.2	524.9	.	.
Norway	170	159	28.6	31.8	39.6	0.0	9.9	0.0	0.7	462.9	457.6	463.8	.	440.9	.	415.7
Portugal	327	315	67.2	21.5	11.3	0.0	3.9	0.0	0.0	483.7	482.0	481.4	.	461.8	.	.
Russian Federation	390	386	82.4	16.3	1.3	0.0	1.0	0.0	0.1	485.6	479.6	414.2	.	572.7	.	514.1
Russian Federation 6hr+	174	172	89.6	7.9	2.5	0.0	3.0	0.0	0.5	539.4	570.2	485.2	.	532.9	.	514.1
Slovenia	147	145	51.5	31.9	16.7	0.0	0.6	0.0	0.2	466.7	448.6	461.8	.	432.2	.	390.7
Sweden	237	219	43.4	29.5	26.4	0.7	6.2	0.0	0.9	438.5	434.0	429.8	467.3	368.6	.	450.9
United States	392	309	68.2	22.7	9.1	0.0	17.9	0.0	0.4	484.4	483.7	491.3	.	484.3	.	539.9
International Avg (n=9)	2647	2446	61.7	23.3	14.8	0.1	6.3	0.0	0.4	471.4	465.4	461.5	476.7	462.6	.	450.8

Question: How often do you do the following in teaching this class. Ask students to complete challenging exercises that require them to go beyond the instruction

Location: TQG-14c (MTBG14C)

Country	Sample	Valid N	1.Every or almost every lesson %	2.About half the lessons %	3.Some lessons %	4.Never %	Not Administered %	Not Applicable %	Omitted %	1.Every or almost every lesson Mean	2.About half the lessons Mean	3.Some lessons Mean	4.Never Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	386	3.0	21.0	66.8	9.3	7.4	0.0	0.8	486.5	476.0	454.6	463.9	480.9	.	494.7
Italy	284	255	20.6	31.9	43.9	3.5	8.7	0.0	0.8	401.5	455.9	408.6	478.0	396.6	.	383.5
Lebanon	275	272	50.4	27.6	19.0	3.1	1.0	0.0	0.0	537.3	537.0	515.6	500.0	524.9	.	.
Norway	170	159	8.0	26.5	63.8	1.7	9.9	0.0	0.7	469.7	464.8	460.5	415.4	440.9	.	415.7
Portugal	327	315	8.3	16.6	69.8	5.3	3.9	0.0	0.0	481.6	484.6	483.4	476.8	461.8	.	.
Russian Federation	390	386	19.9	41.6	38.5	0.0	1.0	0.0	0.4	509.5	479.3	473.7	.	572.7	.	613.6
Russian Federation 6hr+	174	173	24.1	43.9	31.9	0.0	3.0	0.0	0.0	548.6	541.6	532.3	.	532.9	.	.
Slovenia	147	146	3.2	21.7	66.9	8.2	0.6	0.0	0.0	467.7	472.3	457.1	447.6	432.2	.	.
Sweden	237	219	6.9	17.5	66.9	8.7	6.2	0.0	0.9	452.5	450.6	426.1	459.1	368.6	.	450.9
United States	392	309	46.5	35.7	16.8	1.0	17.9	0.0	0.4	484.1	487.3	480.2	509.3	484.3	.	539.9
International Avg (n=9)	2647	2447	18.5	26.7	50.3	4.5	6.3	0.0	0.5	476.7	478.7	462.2	468.8	462.6	.	483.0

Question: How often do you do the following in teaching this class. Encourage classroom discussions among students
 Location: TQG-14d (MTBG14D)

Country	Sample	Valid N	1.Every or almost every lesson %	2.About half the lesson s %	3.Some lesson s %	4.Never r %	Not Admini stered %	Not Applic able %	Omitte d %	1.Every or almost every lesson Mean	2.About half the lesson s Mean	3.Some lesson s Mean	4.Never r Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	384	17.5	21.1	48.1	13.3	7.4	0.0	0.9	467.1	460.6	462.6	446.8	480.9	.	496.3
Italy	284	255	33.0	29.5	33.7	3.8	8.7	0.0	0.9	413.9	422.1	428.5	508.8	396.6	.	371.9
Lebanon	275	271	60.8	25.4	13.1	0.7	1.0	0.0	0.3	532.3	535.8	521.9	563.9	524.9	.	498.8
Norway	170	159	17.6	33.1	44.3	5.0	9.9	0.0	0.7	463.8	469.6	455.7	452.9	440.9	.	415.7
Portugal	327	314	26.5	20.8	47.4	5.3	3.9	0.0	0.3	483.1	490.3	481.6	473.4	461.8	.	395.7
Russian Federation	390	386	38.6	28.5	32.1	0.7	1.0	0.0	0.4	495.1	481.6	472.6	377.8	572.7	.	613.6
Russian Federation 6hr+	174	173	44.7	32.6	22.1	0.7	3.0	0.0	0.0	558.7	540.4	502.0	574.0	532.9	.	.
Slovenia	147	146	28.5	35.1	35.2	1.1	0.6	0.0	0.0	466.9	462.2	452.0	465.4	432.2	.	.
Sweden	237	219	39.8	32.4	25.8	2.1	6.2	0.0	0.9	432.1	440.0	433.8	429.6	368.6	.	450.9
United States	392	309	71.9	19.1	8.2	0.8	17.9	0.0	0.4	481.4	498.9	486.6	440.8	484.3	.	539.9
International Avg (n=9)	2647	2443	37.1	27.2	32.0	3.7	6.3	0.0	0.5	470.6	473.4	466.1	462.1	462.6	.	472.8

Question: How often do you do the following in teaching this class. Link new content to students' prior knowledge
 Location: TQG-14e (MTBG14E)

Country	Sample	Valid N	1.Every or almost every lesson %	2.About half the lessons %	3.Some lessons %	4.Never %	Not Administered %	Not Applicable %	Omitted %	1.Every or almost every lesson Mean	2.About half the lessons Mean	3.Some lessons Mean	4.Never Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	384	70.8	19.3	9.9	0.0	7.4	0.0	0.9	461.4	465.5	448.1	.	480.9	.	496.3
Italy	284	254	77.0	21.3	1.7	0.0	8.7	0.0	1.2	425.6	421.4	417.8	.	396.6	.	408.3
Lebanon	275	272	78.6	14.9	6.1	0.4	1.0	0.0	0.0	533.1	523.0	534.4	596.8	524.9	.	.
Norway	170	159	46.6	33.9	19.6	0.0	9.9	0.0	0.7	462.2	462.7	458.3	.	440.9	.	415.7
Portugal	327	314	78.6	17.6	3.8	0.0	3.9	0.0	0.1	483.9	478.6	486.1	.	461.8	.	493.8
Russian Federation	390	386	89.1	9.6	1.3	0.0	1.0	0.0	0.8	485.0	474.3	402.4	.	572.7	.	587.3
Russian Federation 6hr+	174	173	94.0	6.0	0.0	0.0	3.0	0.0	0.0	538.7	565.0	.	.	532.9	.	.
Slovenia	147	146	83.7	13.3	3.1	0.0	0.6	0.0	0.0	459.8	454.2	488.4	.	432.2	.	.
Sweden	237	219	62.4	30.6	6.6	0.3	6.2	0.0	0.9	436.9	425.2	463.1	435.6	368.6	.	450.9
United States	392	308	85.2	11.0	3.8	0.0	17.9	0.0	0.7	484.2	490.3	475.8	.	484.3	.	555.9
International Avg (n=9)	2647	2442	74.7	19.1	6.2	0.1	6.3	0.0	0.6	470.2	466.1	463.8	516.2	462.6	.	486.9

Question: How often do you do the following in teaching this class. Ask students to decide their own problem solving procedures
 Location: TQG-14f (MTBG14F)

Country	Sample	Valid N	1.Every or almost every lesson %	2.About half the lesson s %	3.Some lesson s %	4.Never r %	Not Admini stered %	Not Applic able %	Omitte d %	1.Every or almost every lesson Mean	2.About half the lesson s Mean	3.Some lesson s Mean	4.Never r Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	384	33.3	34.0	31.8	0.9	7.4	0.0	0.9	463.9	461.4	457.8	435.8	480.9	.	496.3
Italy	284	255	43.2	35.8	21.1	0.0	8.7	0.0	0.9	426.5	441.8	392.8	.	396.6	.	371.9
Lebanon	275	269	62.7	21.1	15.4	0.8	1.0	0.0	1.9	533.7	534.1	519.7	567.0	524.9	.	534.2
Norway	170	159	9.2	30.8	50.1	9.9	9.9	0.0	0.7	474.9	457.7	461.0	464.4	440.9	.	415.7
Portugal	327	315	58.9	25.4	15.7	0.0	3.9	0.0	0.0	481.3	482.0	491.5	.	461.8	.	.
Russian Federation	390	387	63.8	26.4	9.8	0.0	1.0	0.0	0.0	493.6	465.8	468.0	.	572.7	.	.
Russian Federation 6hr+	174	173	73.9	20.9	5.2	0.0	3.0	0.0	0.0	552.1	521.0	450.7	.	532.9	.	.
Slovenia	147	146	43.3	38.6	17.7	0.4	0.6	0.0	0.0	469.8	447.8	463.1	434.0	432.2	.	.
Sweden	237	219	16.6	37.3	45.4	0.6	6.2	0.0	0.9	435.7	439.8	430.5	466.2	368.6	.	450.9
United States	392	309	36.2	40.0	22.0	1.8	17.9	0.0	0.4	491.2	484.9	473.1	499.4	484.3	.	539.9
International Avg (n=9)	2647	2443	40.8	32.2	25.4	1.6	6.3	0.0	0.6	474.5	468.4	461.9	477.8	462.6	.	468.1

Question: How often do you do the following in teaching this class. Encourage students to express their ideas in class
 Location: TQG-14g (MTBG14G)

Country	Sample	Valid N	1.Every or almost every lesson %	2.About half the lesson s %	3.Some lesson s %	4.Never r %	Not Admini stered %	Not Applic able %	Omitte d %	1.Every or almost every lesson Mean	2.About half the lesson s Mean	3.Some lesson s Mean	4.Never r Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	386	70.0	19.0	11.0	0.1	7.4	0.0	0.8	462.4	458.8	455.0	502.9	480.9	.	494.7
Italy	284	255	58.9	21.1	18.9	1.1	8.7	0.0	0.9	425.6	436.8	405.1	497.6	396.6	.	371.9
Lebanon	275	269	81.9	12.6	5.5	0.0	1.0	0.0	2.6	532.4	528.2	533.9	.	524.9	.	531.9
Norway	170	159	20.0	22.9	49.1	8.0	9.9	0.0	0.7	468.8	459.7	457.5	473.6	440.9	.	415.7
Portugal	327	314	70.3	21.5	8.1	0.1	3.9	0.0	0.6	480.3	490.3	492.1	483.2	461.8	.	424.3
Russian Federation	390	387	77.3	17.7	5.0	0.0	1.0	0.0	0.0	491.3	465.8	430.2	543.6	572.7	.	.
Russian Federation 6hr+	174	173	85.4	12.3	2.0	0.2	3.0	0.0	0.0	542.2	524.6	558.2	543.6	532.9	.	.
Slovenia	147	146	72.1	17.3	10.6	0.0	0.6	0.0	0.0	461.2	447.9	470.8	.	432.2	.	.
Sweden	237	218	49.6	29.5	19.7	1.2	6.2	0.0	1.9	435.9	433.2	429.3	462.6	368.6	.	486.3
United States	392	309	71.4	20.0	8.2	0.3	17.9	0.0	0.4	482.2	492.8	486.2	554.6	484.3	.	539.9
International Avg (n=9)	2647	2443	63.5	20.2	15.1	1.2	6.3	0.0	0.9	471.1	468.2	462.2	502.6	462.6	.	466.4

Question: In your view, to what extent do the following limit how you teach this class. Students lacking prerequisite mathematics knowledge or skills
 Location: TQG-15a (MTBG15A)

Country	Sample	Valid N	1.Not at all %	2.Some %	3.A lot %	Not Admini stered %	Not Applic able %	Omitte d %	1.Not at all Mean	2.Some Mean	3.A lot Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	385	4.3	40.7	55.0	7.4	0.0	0.9	494.1	471.0	450.6	480.9	.	505.1
Italy	284	254	10.1	51.2	38.7	8.7	0.0	1.2	492.3	432.1	397.1	396.6	.	406.6
Lebanon	275	272	18.5	65.7	15.8	1.0	0.0	0.0	564.4	525.5	520.5	524.9	.	.
Norway	170	159	24.1	60.7	15.2	9.9	0.0	0.7	479.5	459.4	441.9	440.9	.	415.7
Portugal	327	314	2.6	48.8	48.6	3.9	0.0	0.6	516.6	489.8	474.9	461.8	.	458.6
Russian Federation	390	380	11.1	49.0	39.9	1.0	0.0	1.3	476.7	500.3	466.4	572.7	.	456.1
Russian Federation 6hr+	174	168	17.1	48.7	34.3	3.0	0.0	2.7	550.0	551.3	521.1	532.9	.	525.9
Slovenia	147	146	7.1	52.3	40.7	0.6	0.0	0.0	501.1	477.4	430.4	432.2	.	.
Sweden	237	220	12.5	71.1	16.4	6.2	0.0	0.5	463.7	439.9	393.2	368.6	.	431.8
United States	392	309	20.3	55.6	24.1	17.9	0.0	0.4	487.4	494.9	459.5	484.3	.	539.9
International Avg (n=9)	2647	2439	12.3	55.0	32.7	6.3	0.0	0.6	497.3	476.7	448.3	462.6	.	459.1

Question: In your view, to what extent do the following limit how you teach this class. Students suffering from lack of basic nutrition
 Location: TQG-15b (MTBG15B)

Country	Sample	Valid N	1.Not at all %	2.Some %	3.A lot %	Not Admini stered %	Not Applic able %	Omitte d %	1.Not at all Mean	2.Some Mean	3.A lot Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	382	92.1	7.9	0.0	7.4	0.0	1.8	460.4	463.7	.	480.9	.	488.9
Italy	284	253	77.9	19.2	2.9	8.7	0.0	1.6	426.7	423.4	396.8	396.6	.	376.2
Lebanon	275	268	56.7	38.9	4.3	1.0	0.0	1.4	533.5	531.6	511.1	524.9	.	540.3
Norway	170	159	81.1	17.8	1.1	9.9	0.0	0.7	462.5	455.1	499.2	440.9	.	415.7
Portugal	327	311	89.0	7.2	3.9	3.9	0.0	1.3	482.1	485.9	501.9	461.8	.	479.4
Russian Federation	390	376	68.6	26.6	4.8	1.0	0.0	3.2	484.3	483.4	477.5	572.7	.	483.6
Russian Federation 6hr+	174	168	66.3	29.3	4.5	3.0	0.0	2.8	538.5	541.1	575.7	532.9	.	518.8
Slovenia	147	146	79.4	18.5	2.1	0.6	0.0	0.0	462.6	451.0	438.1	432.2	.	.
Sweden	237	219	89.7	10.1	0.2	6.2	0.0	1.2	436.3	423.5	428.7	368.6	.	451.1
United States	392	307	88.2	11.2	0.6	17.9	0.0	0.8	488.6	467.5	395.5	484.3	.	428.4
International Avg (n=9)	2647	2421	80.3	17.5	2.2	6.3	0.0	1.3	470.8	465.0	456.1	462.6	.	457.9

Question: In your view, to what extent do the following limit how you teach this class. Students suffering from not enough sleep
 Location: TQG-15c (MTBG15C)

Country	Sample	Valid N	1.Not at all %	2.Some %	3.A lot %	Not Admini stered %	Not Applic able %	Omitte d %	1.Not at all Mean	2.Some Mean	3.A lot Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	382	38.2	53.2	8.6	7.4	0.0	1.8	463.1	459.0	460.1	480.9	.	488.9
Italy	284	253	39.2	49.2	11.6	8.7	0.0	1.6	427.9	427.9	404.7	396.6	.	376.2
Lebanon	275	270	27.6	58.0	14.4	1.0	0.0	1.0	535.7	533.1	519.3	524.9	.	543.7
Norway	170	159	44.3	50.9	4.8	9.9	0.0	0.7	462.1	460.9	464.4	440.9	.	415.7
Portugal	327	311	29.5	59.5	11.0	3.9	0.0	1.3	489.7	481.4	474.8	461.8	.	479.4
Russian Federation	390	380	36.3	49.6	14.1	1.0	0.0	1.0	482.7	485.6	481.4	572.7	.	462.8
Russian Federation 6hr+	174	167	37.2	52.3	10.5	3.0	0.0	3.0	524.6	552.8	540.4	532.9	.	518.8
Slovenia	147	146	21.6	63.2	15.1	0.6	0.0	0.0	477.4	464.3	417.0	432.2	.	.
Sweden	237	219	32.1	66.5	1.4	6.2	0.0	1.2	437.8	433.8	426.3	368.6	.	451.1
United States	392	308	18.2	74.1	7.7	17.9	0.0	0.6	495.2	482.9	482.8	484.3	.	487.2
International Avg (n=9)	2647	2428	31.9	58.3	9.9	6.3	0.0	1.0	474.6	469.9	459.0	462.6	.	463.1

Question: In your view, to what extent do the following limit how you teach this class. Students with physical disabilities
 Location: TQG-15d (MTBG15D)

Country	Sample	Valid N	1.Not at all %	2.Some %	3.A lot %	Not Admini stered %	Not Applic able %	Omitte d %	1.Not at all Mean	2.Some Mean	3.A lot Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	382	96.0	3.9	0.1	7.4	0.0	1.8	460.4	464.1	546.2	480.9	.	488.9
Italy	284	252	87.3	11.0	1.7	8.7	0.0	1.7	426.5	432.5	283.0	396.6	.	409.6
Lebanon	275	269	72.6	22.1	5.3	1.0	0.0	0.9	532.3	530.4	538.3	524.9	.	506.8
Norway	170	159	97.7	1.8	0.5	9.9	0.0	0.7	461.5	434.9	570.0	440.9	.	415.7
Portugal	327	306	79.0	15.8	5.2	3.9	0.0	2.1	484.4	478.5	478.2	461.8	.	481.5
Russian Federation	390	375	67.4	28.0	4.5	1.0	0.0	2.4	489.2	480.2	460.9	572.7	.	417.0
Russian Federation 6hr+	174	166	66.7	29.9	3.4	3.0	0.0	4.4	538.6	551.0	498.7	532.9	.	526.8
Slovenia	147	146	90.3	9.3	0.4	0.6	0.0	0.0	461.1	448.7	462.8	432.2	.	.
Sweden	237	220	92.7	5.4	1.9	6.2	0.0	0.5	435.7	408.4	489.9	368.6	.	431.8
United States	392	308	90.7	9.3	0.0	17.9	0.0	0.6	485.7	479.5	.	484.3	.	487.2
International Avg (n=9)	2647	2417	86.0	11.8	2.2	6.3	0.0	1.2	470.7	461.9	478.7	462.6	.	454.8

Question: In your view, to what extent do the following limit how you teach this class. Students with mental, emotional, or psychological disabilities
 Location: TQG-15e (MTBG15E)

Country	Sample	Valid N	1.Not at all %	2.Some %	3.A lot %	Not Admini stered %	Not Applic able %	Omitte d %	1.Not at all Mean	2.Some Mean	3.A lot Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	382	76.9	21.2	1.9	7.4	0.0	1.8	460.7	462.0	444.5	480.9	.	488.9
Italy	284	254	60.4	30.9	8.6	8.7	0.0	1.2	431.7	423.0	379.9	396.6	.	406.6
Lebanon	275	268	59.2	31.2	9.5	1.0	0.0	1.0	533.8	531.3	525.0	524.9	.	510.1
Norway	170	159	80.4	19.1	0.5	9.9	0.0	0.7	462.3	455.5	570.0	440.9	.	415.7
Portugal	327	305	77.7	15.1	7.2	3.9	0.0	2.3	482.3	485.4	486.7	461.8	.	481.4
Russian Federation	390	374	42.8	35.9	21.3	1.0	0.0	2.8	491.5	479.4	482.9	572.7	.	429.3
Russian Federation 6hr+	174	165	44.3	31.6	24.1	3.0	0.0	4.5	526.6	563.4	536.1	532.9	.	536.1
Slovenia	147	142	32.2	60.0	7.8	0.6	0.0	1.0	457.0	460.3	465.7	432.2	.	490.4
Sweden	237	218	68.9	29.2	1.9	6.2	0.0	1.9	440.3	422.9	489.9	368.6	.	390.6
United States	392	307	66.7	32.5	0.9	17.9	0.0	0.8	484.3	490.8	403.8	484.3	.	428.4
International Avg (n=9)	2647	2409	62.8	30.6	6.6	6.3	0.0	1.5	471.5	467.8	472.1	462.6	.	449.0

Question: In a typical week, how much time do you spend teaching advanced mathematics to the students in this class
 Location: TQM-16 (MTBM16)

Country	Sample	Valid N	Not Adm. %	Not App. %	Omitt ed %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
France	425	384	7.4	0.0	1.0	367.5	120.0	2.0	120.0	120.0	350.0	385.0	420.0	480.0	500.0	660.0
Italy	284	256	8.7	0.0	0.5	223.1	240.0	4.0	170.0	180.0	180.0	240.0	240.0	240.0	250.0	600.0
Lebanon	275	250	1.3	0.0	5.7	468.9	600.0	4.0	40.0	120.0	330.0	550.0	600.0	650.0	720.0	1000
Norway	170	159	9.9	0.0	0.7	235.4	225.0	30.0	180.0	220.0	225.0	225.0	225.0	300.0	300.0	900.0
Portugal	327	315	3.5	0.0	0.1	310.2	270.0	3.0	270.0	270.0	270.0	300.0	350.0	360.0	400.0	595.0
Russian Federation	390	383	1.0	0.0	1.1	314.3	360.0	40.0	240.0	240.0	270.0	315.0	360.0	405.0	420.0	600.0
Russian Federation 6hr+	174	171	3.0	0.0	1.1	368.4	360.0	40.0	240.0	315.0	320.0	360.0	405.0	450.0	540.0	600.0
Slovenia	147	145	0.6	0.0	1.6	222.9	225.0	5.0	180.0	180.0	225.0	225.0	225.0	225.0	270.0	315.0
Sweden	237	218	6.2	0.0	0.7	235.5	300.0	100.0	150.0	150.0	175.0	220.0	300.0	330.0	345.0	480.0
United States	392	306	17.9	0.0	2.3	265.5	250.0	5.0	150.0	180.0	200.0	240.0	285.0	450.0	450.0	1000
International Avg (n=9)	2647	2416	6.3	0.0	1.5	293.7	287.8	21.4	166.7	184.4	247.2	300.0	333.9	382.2	406.1	683.3

Question: How many minutes per week do you usually spend preparing to teach this class
 Location: TQM-17 (MTBM17)

Country	Sample	Valid N	Not Adm. %	Not App. %	Omitt ed %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
France	425	367	7.4	0.0	6.0	349.3	300.0	12.0	120.0	120.0	200.0	300.0	420.0	600.0	800.0	1000
Italy	284	253	8.7	0.0	1.4	213.6	120.0	0.0	60.0	60.0	120.0	180.0	300.0	400.0	480.0	860.0
Lebanon	275	246	1.8	0.0	9.4	304.4	300.0	0.0	40.0	75.0	120.0	300.0	400.0	600.0	750.0	1000
Norway	170	159	9.9	0.0	0.7	182.2	120.0	20.0	60.0	60.0	100.0	150.0	240.0	350.0	400.0	650.0
Portugal	327	312	3.5	0.0	1.2	312.7	180.0	4.0	90.0	100.0	180.0	300.0	400.0	600.0	720.0	990.0
Russian Federation	390	370	1.0	0.0	3.3	452.8	360.0	30.0	180.0	240.0	300.0	400.0	600.0	720.0	840.0	1000
Russian Federation 6hr+	174	166	3.0	0.0	5.2	451.2	360.0	30.0	160.0	200.0	300.0	450.0	600.0	780.0	810.0	1000
Slovenia	147	146	0.6	0.0	0.0	197.2	150.0	30.0	60.0	90.0	100.0	150.0	225.0	350.0	500.0	1000
Sweden	237	214	6.2	0.0	4.0	139.3	60.0	0.0	30.0	45.0	60.0	120.0	180.0	300.0	300.0	700.0
United States	392	306	17.9	0.0	0.7	180.2	150.0	6.0	50.0	60.0	100.0	150.0	240.0	350.0	420.0	1000
International Avg (n=9)	2647	2373	6.3	0.0	3.0	259.1	193.3	11.3	76.7	94.4	142.2	227.8	333.9	474.4	578.9	911.1

Question: In teaching advanced mathematics to this class, how would you characterize your confidence in doing the following. Inspiring students
 to learn advanced mathematics

Location: TQM-i8a (MTBM18A)

Country	Sample	Valid N	1.Very high %	2.High %	3.Medi um %	4.Low %	Not Admini stered %	Not Applic able %	Omitte d %	1.Very high Mean	2.High Mean	3.Medi um Mean	4.Low Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	383	33.3	55.3	11.4	0.0	7.4	0.0	1.7	464.8	462.0	443.5	.	480.9	.	482.0
Italy	284	256	23.4	52.6	24.0	0.0	8.7	0.0	0.5	426.7	430.1	410.7	.	396.6	.	370.9
Lebanon	275	268	67.3	29.5	3.2	0.0	1.0	0.0	1.9	537.5	521.5	526.7	.	524.9	.	507.7
Norway	170	159	47.8	47.8	4.4	0.0	9.9	0.0	0.7	466.8	457.2	452.8	.	440.9	.	415.7
Portugal	327	315	49.9	41.3	8.8	0.0	3.5	0.0	0.2	485.4	483.8	468.8	.	456.0	.	463.6
Russian Federation	390	386	37.9	26.9	32.9	2.3	1.0	0.0	0.4	490.8	495.6	469.0	455.1	572.7	.	392.6
Russian Federation 6hr+	174	173	49.2	29.5	20.3	1.0	3.0	0.0	0.0	547.8	536.5	530.3	490.3	532.9	.	.
Slovenia	147	144	25.9	56.6	17.5	0.0	0.6	0.0	0.9	460.0	465.0	444.1	.	432.2	.	447.0
Sweden	237	219	33.3	53.4	12.9	0.4	6.2	0.0	0.5	443.6	437.5	407.3	354.9	368.6	.	423.6
United States	392	309	51.1	39.0	9.7	0.2	17.9	0.0	0.4	484.6	482.7	498.1	322.8	484.3	.	539.9
International Avg (n=9)	2647	2439	41.1	44.7	13.9	0.3	6.3	0.0	0.8	473.4	470.6	457.9	377.6	461.9	.	449.2

Question: In teaching advanced mathematics to this class, how would you characterize your confidence in doing the following. Showing students
 a variety of problem solving strategies

Location: TQM-i8b (MTBM18B)

Country	Sample	Valid N	1.Very high %	2.High %	3.Medi um %	4.Low %	Not Admini stered %	Not Applic able %	Omitte d %	1.Very high Mean	2.High Mean	3.Medi um Mean	4.Low Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	383	38.1	49.7	12.2	0.0	7.4	0.0	1.7	462.2	459.9	460.0	.	480.9	.	482.0
Italy	284	255	33.1	56.9	9.5	0.5	8.7	0.0	0.8	437.4	420.2	410.9	357.0	396.6	.	385.2
Lebanon	275	269	69.0	26.7	4.3	0.0	1.0	0.0	1.1	534.2	522.3	559.2	.	524.9	.	515.9
Norway	170	159	46.1	44.6	8.8	0.4	9.9	0.0	0.7	466.8	458.3	454.7	377.8	440.9	.	415.7
Portugal	327	316	55.1	37.8	7.1	0.0	3.5	0.0	0.0	484.7	482.5	475.5	.	456.0	.	.
Russian Federation	390	387	46.6	28.7	24.7	0.0	1.0	0.0	0.0	492.5	483.6	467.4	.	572.7	.	.
Russian Federation 6hr+	174	173	62.4	25.2	12.4	0.0	3.0	0.0	0.0	552.3	541.1	478.3	.	532.9	.	.
Slovenia	147	144	38.8	55.2	6.0	0.0	0.6	0.0	0.9	462.8	460.2	441.3	.	432.2	.	447.0
Sweden	237	221	37.2	52.1	10.6	0.0	6.2	0.0	0.0	441.6	433.7	420.0	.	368.6	.	.
United States	392	309	54.4	38.5	6.8	0.2	17.9	0.0	0.4	483.9	484.1	494.5	574.2	484.3	.	539.9
International Avg (n=9)	2647	2443	46.5	43.4	10.0	0.1	6.3	0.0	0.6	474.0	467.2	464.9	436.3	461.9	.	464.3

Question: In teaching advanced mathematics to this class, how would you characterize your confidence in doing the following. Providing challenging tasks for the highest achieving students

Location: TQM-i8c (MTBM18C)

Country	Sample	Valid N	1.Very high %	2.High %	3.Medi um %	4.Low %	Not Admini stered %	Not Applic able %	Omitte d %	1.Very high Mean	2.High Mean	3.Medi um Mean	4.Low Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	383	16.2	45.3	33.6	4.9	7.4	0.0	1.7	462.0	463.8	458.1	448.0	480.9	.	482.0
Italy	284	256	21.4	40.7	32.5	5.4	8.7	0.0	0.5	424.9	414.5	435.1	437.0	396.6	.	370.9
Lebanon	275	266	44.0	40.7	15.1	0.1	1.0	0.0	1.8	531.8	533.1	530.0	479.0	524.9	.	530.9
Norway	170	159	41.3	45.9	11.8	1.0	9.9	0.0	0.7	473.1	452.6	457.3	450.6	440.9	.	415.7
Portugal	327	316	23.5	51.9	21.4	3.2	3.5	0.0	0.0	485.3	486.6	469.6	503.9	456.0	.	.
Russian Federation	390	387	39.8	33.3	26.2	0.7	1.0	0.0	0.0	503.8	474.4	464.5	508.7	572.7	.	.
Russian Federation 6hr+	174	173	53.7	25.7	19.9	0.7	3.0	0.0	0.0	549.7	536.4	518.9	574.0	532.9	.	.
Slovenia	147	144	28.5	56.0	14.2	1.3	0.6	0.0	0.9	466.3	458.6	457.8	413.0	432.2	.	447.0
Sweden	237	219	25.0	53.7	19.1	2.3	6.2	0.0	1.7	447.5	431.4	424.6	427.4	368.6	.	496.5
United States	392	309	51.0	37.2	10.7	1.1	17.9	0.0	0.4	484.7	491.9	457.3	525.4	484.3	.	539.9
International Avg (n=9)	2647	2439	32.3	45.0	20.5	2.2	6.3	0.0	0.9	475.5	467.4	461.6	465.9	461.9	.	469.0

Question: In teaching advanced mathematics to this class, how would you characterize your confidence in doing the following. Adapting my teaching to engage students' interest

Location: TQM-i8d (MTBM18D)

Country	Sample	Valid N	1.Very high %	2.High %	3.Medium %	4.Low %	Not Administered %	Not Applicable %	Omitted %	1.Very high Mean	2.High Mean	3.Medium Mean	4.Low Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	382	25.2	48.8	25.7	0.4	7.4	0.0	1.8	462.9	458.8	462.3	480.6	480.9	.	481.0
Italy	284	255	20.4	55.4	24.1	0.0	8.7	0.0	1.1	412.4	424.7	434.4	.	396.6	.	408.4
Lebanon	275	267	57.8	38.7	3.2	0.3	1.0	0.0	1.5	533.8	529.6	534.5	434.9	524.9	.	533.3
Norway	170	159	16.2	52.5	30.1	1.2	9.9	0.0	0.7	472.1	459.8	459.9	440.6	440.9	.	415.7
Portugal	327	316	44.0	47.6	8.4	0.0	3.5	0.0	0.0	482.1	484.3	482.9	.	456.0	.	.
Russian Federation	390	387	23.9	38.6	34.9	2.6	1.0	0.0	0.0	502.5	481.9	474.3	465.2	572.7	.	.
Russian Federation 6hr+	174	173	30.8	40.6	26.8	1.8	3.0	0.0	0.0	559.0	542.6	513.7	563.4	532.9	.	.
Slovenia	147	144	19.6	55.5	24.9	0.0	0.6	0.0	0.9	466.8	459.6	455.9	.	432.2	.	447.0
Sweden	237	220	20.1	52.1	26.2	1.6	6.2	0.0	0.3	449.9	435.9	423.3	442.9	368.6	.	340.4
United States	392	309	35.1	38.7	25.3	0.9	17.9	0.0	0.4	471.9	492.2	491.8	482.6	484.3	.	539.9
International Avg (n=9)	2647	2439	29.2	47.5	22.5	0.8	6.3	0.0	0.8	472.7	469.6	468.8	457.8	461.9	.	452.2

Question: In teaching advanced mathematics to this class, how would you characterize your confidence in doing the following. Helping students appreciate the value of learning advanced mathematics

Location: TQM-i8e (MTBM18E)

Country	Sample	Valid N	1.Very high %	2.High %	3.Medi um %	4.Low %	Not Admini stered %	Not Applic able %	Omitte d %	1.Very high Mean	2.High Mean	3.Medi um Mean	4.Low Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	381	19.9	49.9	28.1	2.1	7.4	0.0	1.9	468.6	462.9	451.9	456.0	480.9	.	481.2
Italy	284	256	29.1	52.4	17.9	0.6	8.7	0.0	0.5	409.0	435.7	416.1	469.7	396.6	.	370.9
Lebanon	275	267	59.5	34.7	5.4	0.4	1.0	0.0	1.5	532.6	526.1	557.3	596.8	524.9	.	533.3
Norway	170	159	27.3	49.0	22.3	1.4	9.9	0.0	0.7	463.3	461.9	458.8	460.7	440.9	.	415.7
Portugal	327	316	48.7	46.6	4.7	0.0	3.5	0.0	0.0	485.3	482.4	469.5	.	456.0	.	.
Russian Federation	390	387	36.6	34.4	28.7	0.4	1.0	0.0	0.0	510.3	469.4	467.3	472.7	572.7	.	.
Russian Federation 6hr+	174	173	41.3	36.5	20.4	1.8	3.0	0.0	0.0	565.8	511.4	548.0	456.6	532.9	.	.
Slovenia	147	144	25.7	51.6	22.1	0.5	0.6	0.0	0.9	475.4	453.0	461.4	357.8	432.2	.	447.0
Sweden	237	220	29.6	43.8	25.8	0.8	6.2	0.0	0.2	445.4	435.5	423.5	417.3	368.6	.	450.0
United States	392	309	44.1	42.4	13.3	0.2	17.9	0.0	0.4	480.3	488.7	489.1	378.8	484.3	.	539.9
International Avg (n=9)	2647	2439	35.6	45.0	18.7	0.7	6.3	0.0	0.7	474.5	468.4	466.1	451.2	461.9	.	462.6

Question: In teaching advanced mathematics to this class, how would you characterize your confidence in doing the following. Assessing student
 comprehension of advanced mathematics

Location: TQM-i8f (MTBM18F)

Country	Sample	Valid N	1.Very high %	2.High %	3.Medi um %	4.Low %	Not Admini stered %	Not Applic able %	Omitte d %	1.Very high Mean	2.High Mean	3.Medi um Mean	4.Low Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	382	21.0	59.4	18.9	0.7	7.4	0.0	1.8	460.1	461.2	460.4	456.1	480.9	.	482.2
Italy	284	254	20.7	62.3	17.0	0.0	8.7	0.0	1.3	423.9	428.1	416.3	.	396.6	.	360.5
Lebanon	275	265	47.8	44.8	6.0	1.3	1.0	0.0	1.9	534.3	526.4	555.0	543.0	524.9	.	522.9
Norway	170	159	28.0	62.0	10.0	0.0	9.9	0.0	0.7	465.0	461.2	454.7	.	440.9	.	415.7
Portugal	327	316	35.1	53.8	10.9	0.1	3.5	0.0	0.0	482.3	485.9	472.3	564.1	456.0	.	.
Russian Federation	390	387	37.0	33.8	29.1	0.2	1.0	0.0	0.0	485.2	485.5	478.8	657.4	572.7	.	.
Russian Federation 6hr+	174	173	31.7	44.8	23.5	0.0	3.0	0.0	0.0	538.7	542.3	538.7	.	532.9	.	.
Slovenia	147	144	28.3	49.8	20.6	1.3	0.6	0.0	0.9	454.8	462.1	464.7	422.7	432.2	.	447.0
Sweden	237	221	20.4	65.4	12.6	1.6	6.2	0.0	0.0	435.3	435.0	437.0	427.2	368.6	.	.
United States	392	309	52.2	46.0	1.8	0.0	17.9	0.0	0.4	484.1	485.6	488.2	.	484.3	.	539.9
International Avg (n=9)	2647	2437	32.3	53.0	14.1	0.6	6.3	0.0	0.8	469.4	470.1	469.7	511.8	461.9	.	461.4

Question: In teaching advanced mathematics to this class, how would you characterize your confidence in doing the following. Improving the understanding of struggling students
 Location: TQM-i8g (MTBM18G)

Country	Sample	Valid N	1.Very high %	2.High %	3.Medi um %	4.Low %	Not Admini stered %	Not Applic able %	Omitte d %	1.Very high Mean	2.High Mean	3.Medi um Mean	4.Low Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	382	17.0	55.8	26.2	1.0	7.4	0.0	1.8	466.0	460.7	459.2	420.2	480.9	.	481.0
Italy	284	256	14.3	54.4	31.3	0.0	8.7	0.0	0.5	399.6	421.3	441.9	.	396.6	.	370.9
Lebanon	275	267	47.5	44.3	7.1	1.1	1.0	0.0	1.5	534.3	527.2	552.4	488.3	524.9	.	533.3
Norway	170	159	20.9	46.9	31.5	0.7	9.9	0.0	0.7	453.4	461.3	468.0	439.7	440.9	.	415.7
Portugal	327	316	36.5	52.4	10.6	0.4	3.5	0.0	0.0	480.1	483.1	492.9	520.8	456.0	.	.
Russian Federation	390	387	31.2	36.0	32.2	0.6	1.0	0.0	0.0	495.9	490.1	465.6	447.3	572.7	.	.
Russian Federation 6hr+	174	173	33.3	40.9	25.5	0.3	3.0	0.0	0.0	551.3	541.1	526.3	386.9	532.9	.	.
Slovenia	147	144	22.6	58.4	17.4	1.6	0.6	0.0	0.9	462.0	459.3	461.9	441.9	432.2	.	447.0
Sweden	237	220	21.0	56.0	21.4	1.5	6.2	0.0	1.5	438.3	435.5	426.8	424.7	368.6	.	502.1
United States	392	309	31.9	49.5	18.4	0.2	17.9	0.0	0.4	486.0	483.1	489.6	343.7	484.3	.	539.9
International Avg (n=9)	2647	2440	27.0	50.4	21.8	0.8	6.3	0.0	0.8	468.4	469.1	473.1	440.8	461.9	.	470.0

Question: In teaching advanced mathematics to this class, how would you characterize your confidence in doing the following. Making advanced mathematics relevant to students
 Location: TQM-i8h (MTBM18H)

Country	Sample	Valid N	1.Very high %	2.High %	3.Medi um %	4.Low %	Not Admini stered %	Not Applic able %	Omitte d %	1.Very high Mean	2.High Mean	3.Medi um Mean	4.Low Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	381	18.5	53.4	26.9	1.2	7.4	0.0	1.8	461.1	461.3	462.2	402.6	480.9	.	482.1
Italy	284	256	18.2	51.1	30.0	0.7	8.7	0.0	0.5	413.1	434.4	413.0	512.4	396.6	.	370.9
Lebanon	275	265	45.5	47.0	7.0	0.5	1.0	0.0	1.8	536.5	526.4	535.5	600.9	524.9	.	528.4
Norway	170	159	14.6	45.3	38.0	2.2	9.9	0.0	0.7	465.9	457.7	464.4	464.9	440.9	.	415.7
Portugal	327	316	41.2	49.6	9.2	0.0	3.5	0.0	0.0	484.8	483.6	474.0	.	456.0	.	.
Russian Federation	390	387	31.3	35.0	33.4	0.3	1.0	0.0	0.0	490.5	477.5	483.3	538.7	572.7	.	.
Russian Federation 6hr+	174	173	30.0	45.1	23.0	1.9	3.0	0.0	0.0	554.3	530.3	541.9	538.7	532.9	.	.
Slovenia	147	144	17.1	60.1	21.2	1.5	0.6	0.0	0.9	463.9	457.0	468.7	419.6	432.2	.	447.0
Sweden	237	221	18.3	45.4	36.2	0.1	6.2	0.0	0.0	437.8	435.1	434.4	307.0	368.6	.	.
United States	392	308	30.9	43.9	23.8	1.4	17.9	0.0	0.7	481.1	481.1	495.0	509.2	484.3	.	522.6
International Avg (n=9)	2647	2437	26.2	47.9	25.1	0.9	6.3	0.0	0.7	470.5	468.3	470.1	469.4	461.9	.	461.1

Question: In teaching advanced mathematics to this class, how would you characterize your confidence in doing the following. Developing students' higher-order thinking skills

Location: TQM-i8i (MTBM18I)

Country	Sample	Valid N	1.Very high %	2.High %	3.Medium %	4.Low %	Not Administered %	Not Applicable %	Omitted %	1.Very high Mean	2.High Mean	3.Medium Mean	4.Low Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	383	17.3	48.6	31.4	2.7	7.4	0.0	1.7	467.2	462.6	457.5	425.9	480.9	.	482.0
Italy	284	256	18.6	47.0	32.9	1.5	8.7	0.0	0.5	416.1	427.1	424.0	469.2	396.6	.	370.9
Lebanon	275	263	57.0	37.0	6.0	0.0	1.0	0.0	2.7	531.5	534.4	528.1	.	524.9	.	517.0
Norway	170	159	22.3	58.7	18.2	0.7	9.9	0.0	0.7	468.1	458.8	463.4	438.4	440.9	.	415.7
Portugal	327	316	31.9	50.0	17.4	0.7	3.5	0.0	0.0	486.7	483.8	476.7	444.7	456.0	.	.
Russian Federation	390	385	20.1	39.1	37.7	3.1	1.0	0.0	0.2	501.1	486.2	472.6	473.1	572.7	.	513.1
Russian Federation 6hr+	174	171	23.1	44.3	30.8	1.8	3.0	0.0	1.2	556.2	545.3	523.6	517.6	532.9	.	513.1
Slovenia	147	143	22.7	54.8	21.9	0.5	0.6	0.0	1.4	467.2	458.5	458.8	357.8	432.2	.	459.2
Sweden	237	221	15.4	56.9	26.4	1.3	6.2	0.0	0.0	448.6	430.7	436.8	442.4	368.6	.	.
United States	392	309	47.7	43.5	8.8	0.0	17.9	0.0	0.4	491.3	480.2	472.6	.	484.3	.	539.9
International Avg (n=9)	2647	2435	28.1	48.4	22.3	1.2	6.3	0.0	0.9	475.3	469.1	465.6	435.9	461.9	.	471.1

Question: In teaching advanced mathematics to this class, how often do you ask students to do the following. Listen to me explain new mathematics content
 Location: TQM-19a (MTBM19A)

Country	Sample	Valid N	1.Every or almost every lesson %	2.About half the lesson %	3.Some lessons %	4.Never %	Not Administered %	Not Applicable %	Omitted %	1.Every or almost every lesson Mean	2.About half the lesson Mean	3.Some lessons Mean	4.Never Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	385	59.4	32.0	7.6	1.0	7.4	0.0	1.5	460.4	464.8	452.0	446.3	480.9	.	472.0
Italy	284	253	65.1	14.3	14.1	6.6	8.7	0.0	1.5	425.8	425.6	408.5	444.9	396.6	.	409.3
Lebanon	275	266	61.5	28.0	9.3	1.2	1.0	0.0	2.5	531.6	536.6	523.4	546.6	524.9	.	513.4
Norway	170	159	68.5	27.6	4.0	0.0	9.9	0.0	0.7	463.7	457.7	452.9	.	440.9	.	415.7
Portugal	327	315	78.0	13.5	7.6	0.9	3.5	0.0	0.1	482.0	481.6	495.1	509.6	456.0	.	536.3
Russian Federation	390	384	35.0	48.0	16.9	0.1	1.0	0.0	1.2	474.5	490.3	489.1	442.1	572.7	.	421.2
Russian Federation 6hr+	174	172	33.2	47.6	18.5	0.7	3.0	0.0	0.2	544.3	530.1	562.0	442.1	532.9	.	625.3
Slovenia	147	144	85.6	11.5	1.4	1.4	0.6	0.0	0.9	460.0	459.8	445.1	479.6	432.2	.	447.0
Sweden	237	219	65.0	13.7	17.9	3.5	6.2	0.0	1.2	432.3	422.6	440.4	485.2	368.6	.	506.6
United States	392	309	59.3	32.7	6.8	1.2	17.9	0.0	0.1	479.6	491.4	495.5	518.1	484.3	.	582.2
International Avg (n=9)	2647	2434	64.2	24.6	9.5	1.8	6.3	0.0	1.1	467.8	470.0	466.9	484.0	461.9	.	478.2

Question: In teaching advanced mathematics to this class, how often do you ask students to do the following. Listen to me explain how to solve problems
 Location: TQM-19b (MTBM19B)

Country	Sample	Valid N	1.Every or almost every lesson %	2.About half the lesson %	3.Some lessons %	4.Never %	Not Administered %	Not Applicable %	Omitted %	1.Every or almost every lesson Mean	2.About half the lesson Mean	3.Some lessons Mean	4.Never Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	384	54.8	33.9	10.3	1.0	7.4	0.0	1.5	460.6	463.9	456.0	434.4	480.9	.	475.7
Italy	284	256	63.0	20.0	11.0	6.0	8.7	0.0	0.6	424.7	438.1	403.2	417.6	396.6	.	383.6
Lebanon	275	266	62.5	24.9	7.1	5.5	1.0	0.0	2.2	529.4	538.6	541.6	529.2	524.9	.	504.7
Norway	170	159	60.5	28.8	10.5	0.2	9.9	0.0	0.7	462.6	465.9	444.3	447.9	440.9	.	415.7
Portugal	327	316	73.5	13.7	11.8	1.0	3.5	0.0	0.0	482.3	482.3	486.1	527.0	456.0	.	.
Russian Federation	390	384	37.9	35.3	26.4	0.4	1.0	0.0	0.7	478.5	478.3	501.0	620.4	572.7	.	333.2
Russian Federation 6hr+	174	172	37.6	30.9	30.8	0.7	3.0	0.0	0.2	524.2	527.7	574.1	442.1	532.9	.	625.3
Slovenia	147	144	83.5	11.6	3.4	1.4	0.6	0.0	0.9	462.6	429.8	493.1	479.6	432.2	.	447.0
Sweden	237	221	64.1	12.1	20.3	3.5	6.2	0.0	0.0	433.3	430.4	440.5	456.4	368.6	.	.
United States	392	308	54.4	36.0	9.1	0.5	17.9	0.0	0.2	477.9	487.0	519.1	497.1	484.3	.	526.8
International Avg (n=9)	2647	2438	61.6	24.0	12.2	2.2	6.3	0.0	0.8	468.0	468.3	476.1	490.0	461.9	.	441.0

Question: In teaching advanced mathematics to this class, how often do you ask students to do the following. Memorize rules, formulas, procedures, and facts
 Location: TQM-19c (MTBM19C)

Country	Sample	Valid N	1.Every or almost every lesson %	2.About half the lesson s %	3.Some lesson s %	4.Never r %	Not Admini stered %	Not Applic able %	Omitte d %	1.Every or almost every lesson Mean	2.About half the lesson s Mean	3.Some lesson s Mean	4.Never r Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	383	47.4	33.9	16.6	2.1	7.4	0.0	2.0	459.0	461.9	464.8	461.1	480.9	.	470.6
Italy	284	255	27.5	27.1	40.7	4.6	8.7	0.0	0.9	404.8	416.2	440.9	443.4	396.6	.	421.3
Lebanon	275	268	67.0	16.0	15.1	1.9	1.0	0.0	1.8	531.0	530.6	545.3	503.6	524.9	.	498.5
Norway	170	159	19.6	25.4	48.0	7.0	9.9	0.0	0.7	457.2	460.5	463.8	462.3	440.9	.	415.7
Portugal	327	316	26.2	26.9	44.7	2.2	3.5	0.0	0.0	483.5	485.6	481.0	496.7	456.0	.	.
Russian Federation	390	383	26.5	33.7	31.5	8.2	1.0	0.0	1.4	470.2	470.4	513.7	481.1	572.7	.	409.3
Russian Federation 6hr+	174	173	25.3	25.5	38.9	10.2	3.0	0.0	0.0	485.4	525.3	584.9	544.2	532.9	.	.
Slovenia	147	144	56.1	36.1	7.4	0.4	0.6	0.0	0.9	460.5	461.8	447.9	462.8	432.2	.	447.0
Sweden	237	220	12.1	22.7	53.4	11.8	6.2	0.0	0.5	432.6	419.0	438.6	453.9	368.6	.	434.8
United States	392	308	18.8	27.7	50.7	2.8	17.9	0.0	0.4	475.7	482.7	491.4	467.0	484.3	.	432.1
International Avg (n=9)	2647	2436	33.5	27.7	34.2	4.6	6.3	0.0	0.9	463.8	465.4	476.4	470.2	461.9	.	441.2

Question: In teaching advanced mathematics to this class, how often do you ask students to do the following. Work problems (individually or with peers) with my guidance
 Location: TQM-19d (MTBM19D)

Country	Sample	Valid N	1.Every or almost every lesson %	2.About half the lessons %	3.Some lessons %	4.Never %	Not Administered %	Not Applicable %	Omitted %	1.Every or almost every lesson Mean	2.About half the lessons Mean	3.Some lessons Mean	4.Never Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	385	53.1	31.4	13.8	1.7	7.4	0.0	1.5	461.8	454.9	473.8	445.5	480.9	.	472.0
Italy	284	253	38.8	44.3	16.5	0.4	8.7	0.0	1.6	415.3	424.5	446.6	414.4	396.6	.	415.9
Lebanon	275	266	48.7	35.4	13.1	2.7	1.0	0.0	2.9	535.4	531.5	524.5	527.2	524.9	.	518.5
Norway	170	159	80.9	16.0	3.1	0.0	9.9	0.0	0.7	463.5	453.0	456.9	.	440.9	.	415.7
Portugal	327	316	57.3	30.3	12.4	0.0	3.5	0.0	0.0	486.5	477.1	483.0	.	456.0	.	.
Russian Federation	390	385	34.3	48.0	17.7	0.0	1.0	0.0	0.2	483.4	483.2	485.7	.	572.7	.	496.5
Russian Federation 6hr+	174	173	39.1	41.8	19.1	0.0	3.0	0.0	0.0	543.5	528.3	559.9	.	532.9	.	.
Slovenia	147	144	39.5	44.1	15.9	0.4	0.6	0.0	0.9	450.4	463.6	474.3	462.8	432.2	.	447.0
Sweden	237	218	59.9	18.3	21.3	0.6	6.2	0.0	0.6	433.7	432.0	444.3	414.7	368.6	.	376.3
United States	392	309	64.9	29.9	5.2	0.0	17.9	0.0	0.1	487.8	479.9	478.9	.	484.3	.	582.2
International Avg (n=9)	2647	2435	53.0	33.1	13.2	0.7	6.3	0.0	0.9	468.7	466.6	474.2	452.9	461.9	.	465.5

Question: In teaching advanced mathematics to this class, how often do you ask students to do the following. Work problems together in the whole class with direct guidance from me
 Location: TQM-19e (MTBM19E)

Country	Sample	Valid N	1.Every or almost every lesson %	2.About half the lessons %	3.Some lessons %	4.Never %	Not Administered %	Not Applicable %	Omitted %	1.Every or almost every lesson Mean	2.About half the lessons Mean	3.Some lessons Mean	4.Never Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	384	48.8	37.8	11.8	1.6	7.4	0.0	1.5	462.1	462.6	455.0	433.1	480.9	.	475.7
Italy	284	257	43.1	42.9	13.9	0.0	8.7	0.0	0.2	424.7	430.9	405.4	.	396.6	.	242.3
Lebanon	275	266	40.7	28.2	28.0	3.0	1.0	0.0	2.9	537.5	533.3	522.4	527.3	524.9	.	537.7
Norway	170	159	29.4	14.7	44.2	11.6	9.9	0.0	0.7	468.0	443.3	461.7	468.0	440.9	.	415.7
Portugal	327	316	52.6	31.0	15.6	0.8	3.5	0.0	0.0	486.6	479.2	479.2	500.1	456.0	.	.
Russian Federation	390	386	21.2	38.4	40.1	0.2	1.0	0.0	0.0	483.7	475.9	491.1	526.7	572.7	.	445.4
Russian Federation 6hr+	174	173	27.3	34.7	36.7	1.3	3.0	0.0	0.0	533.6	530.1	555.5	526.7	532.9	.	.
Slovenia	147	144	34.8	46.9	16.6	1.7	0.6	0.0	0.9	459.9	457.7	466.1	469.8	432.2	.	447.0
Sweden	237	219	25.6	21.7	46.3	6.4	6.2	0.0	0.4	432.1	439.7	435.3	434.8	368.6	.	394.5
United States	392	309	50.4	32.9	15.7	1.0	17.9	0.0	0.1	486.3	476.9	491.2	583.5	484.3	.	582.2
International Avg (n=9)	2647	2440	38.5	32.7	25.8	2.9	6.3	0.0	0.8	471.2	466.6	467.5	492.9	461.9	.	442.6

Question: In teaching advanced mathematics to this class, how often do you ask students to do the following. Work problems (individually or with peers) while I am occupied by other tasks
 Location: TQM-19f (MTBM19F)

Country	Sample	Valid N	1.Every or almost every lesson %	2.About half the lessons %	3.Some lessons %	4.Never %	Not Administered %	Not Applicable %	Omitted %	1.Every or almost every lesson Mean	2.About half the lessons Mean	3.Some lessons Mean	4.Never Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	385	6.1	6.7	28.8	58.4	7.4	0.0	1.5	461.0	452.2	461.6	461.8	480.9	.	472.0
Italy	284	256	2.1	5.9	28.8	63.2	8.7	0.0	0.8	414.9	388.2	426.6	427.4	396.6	.	398.2
Lebanon	275	265	20.0	18.6	22.8	38.5	1.0	0.0	3.3	540.5	534.2	526.8	530.8	524.9	.	516.7
Norway	170	159	6.3	5.0	25.3	63.4	9.9	0.0	0.7	473.7	453.5	449.4	465.9	440.9	.	415.7
Portugal	327	316	7.9	7.8	26.1	58.3	3.5	0.0	0.0	488.7	487.4	482.6	482.2	456.0	.	.
Russian Federation	390	387	10.5	45.1	43.5	0.9	1.0	0.0	0.0	503.8	473.3	489.0	523.5	572.7	.	.
Russian Federation 6hr+	174	173	16.9	28.8	50.8	3.5	3.0	0.0	0.0	564.1	542.7	527.3	595.5	532.9	.	.
Slovenia	147	144	3.9	8.1	41.9	46.1	0.6	0.0	0.9	475.3	431.7	458.8	465.0	432.2	.	447.0
Sweden	237	220	6.5	6.9	23.5	63.0	6.2	0.0	0.3	446.7	442.3	430.5	435.4	368.6	.	354.5
United States	392	308	15.4	17.4	37.0	30.2	17.9	0.0	0.2	457.0	495.3	482.1	496.4	484.3	.	590.3
International Avg (n=9)	2647	2440	8.7	13.5	30.9	46.9	6.3	0.0	0.8	473.5	462.0	467.5	476.5	461.9	.	456.3

Question: In teaching advanced mathematics to this class, how often do you ask students to do the following. Solve problems like the examples in their textbooks

Location: TQM-19g (MTBM19G)

Country	Sample	Valid N	1.Every or almost every lesson %	2.About half the lessons %	3.Some lessons %	4.Never %	Not Administered %	Not Applicable %	Omitted %	1.Every or almost every lesson Mean	2.About half the lessons Mean	3.Some lessons Mean	4.Never Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	384	42.2	36.1	19.6	2.0	7.4	0.0	1.5	461.1	462.0	458.3	464.7	480.9	.	475.7
Italy	284	256	14.0	16.9	51.7	17.4	8.7	0.0	0.6	404.2	404.0	432.0	439.1	396.6	.	383.6
Lebanon	275	263	42.7	27.3	26.1	3.8	1.0	0.0	3.5	535.6	530.7	531.8	505.4	524.9	.	527.0
Norway	170	159	61.2	24.6	13.8	0.3	9.9	0.0	0.7	463.0	460.4	457.9	440.0	440.9	.	415.7
Portugal	327	316	53.7	28.9	17.0	0.4	3.5	0.0	0.0	487.5	480.1	475.2	482.2	456.0	.	.
Russian Federation	390	384	21.0	35.9	40.6	2.6	1.0	0.0	1.1	460.3	473.4	502.7	520.2	572.7	.	485.7
Russian Federation 6hr+	174	173	17.7	31.2	48.1	3.0	3.0	0.0	0.0	487.1	526.7	566.6	573.2	532.9	.	.
Slovenia	147	144	43.1	43.5	13.4	0.0	0.6	0.0	0.9	464.8	449.3	479.8	.	432.2	.	447.0
Sweden	237	214	41.8	31.8	26.1	0.3	6.2	0.0	1.3	439.7	431.9	432.5	349.9	368.6	.	446.4
United States	392	310	50.3	19.3	26.8	3.6	17.9	0.0	0.0	483.3	481.2	486.9	517.0	484.3	.	534.8
International Avg (n=9)	2647	2430	41.1	29.4	26.1	3.4	6.3	0.0	1.1	466.6	463.7	473.0	464.8	461.9	.	464.5

Question: In teaching advanced mathematics to this class, how often do you ask students to do the following. Discuss problem solving strategies
 Location: TQM-19h (MTBM19H)

Country	Sample	Valid N	1.Every or almost every lesson %	2.About half the lesson s %	3.Some lesson s %	4.Never r %	Not Admini stered %	Not Applic able %	Omitte d %	1.Every or almost every lesson Mean	2.About half the lesson s Mean	3.Some lesson s Mean	4.Never r Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	384	30.5	41.6	27.9	0.0	7.4	0.0	1.5	461.7	465.7	453.1	.	480.9	.	475.7
Italy	284	256	45.0	40.2	14.9	0.0	8.7	0.0	0.6	434.5	417.1	414.9	.	396.6	.	383.6
Lebanon	275	265	70.9	24.4	4.7	0.0	1.0	0.0	2.7	531.3	538.8	515.6	.	524.9	.	515.2
Norway	170	159	14.4	32.8	50.3	2.5	9.9	0.0	0.7	475.0	464.7	456.2	451.0	440.9	.	415.7
Portugal	327	316	52.6	33.2	14.2	0.0	3.5	0.0	0.0	485.6	478.9	484.3	.	456.0	.	.
Russian Federation	390	387	49.2	38.0	12.8	0.0	1.0	0.0	0.0	495.1	472.0	475.2	.	572.7	.	.
Russian Federation 6hr+	174	173	60.7	31.3	8.0	0.0	3.0	0.0	0.0	544.9	538.1	514.6	.	532.9	.	.
Slovenia	147	144	24.5	44.1	29.7	1.8	0.6	0.0	0.9	464.8	453.0	468.1	436.7	432.2	.	447.0
Sweden	237	219	16.7	40.7	42.1	0.6	6.2	0.0	0.4	449.5	423.5	441.0	457.6	368.6	.	394.5
United States	392	310	53.4	33.6	12.8	0.2	17.9	0.0	0.0	485.4	492.4	464.0	533.5	484.3	.	534.8
International Avg (n=9)	2647	2440	39.7	36.5	23.3	0.6	6.3	0.0	0.8	475.9	467.4	463.6	469.7	461.9	.	452.4

Question: In teaching advanced mathematics to this class, how often do you ask students to do the following. Work on problems for which there is no immediately obvious method of solution
 Location: TQM-19i (MTBM19I)

Country	Sample	Valid N	1.Every or almost every lesson %	2.About half the lessons %	3.Some lessons %	4.Never %	Not Administered %	Not Applicable %	Omitted %	1.Every or almost every lesson Mean	2.About half the lessons Mean	3.Some lessons Mean	4.Never Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	384	8.8	37.1	53.2	0.9	7.4	0.0	1.5	469.5	472.0	452.1	448.7	480.9	.	475.7
Italy	284	256	22.6	39.7	37.7	0.0	8.7	0.0	0.6	414.9	435.3	419.2	.	396.6	.	383.6
Lebanon	275	266	50.6	29.3	18.8	1.3	1.0	0.0	2.9	537.2	531.0	516.1	589.1	524.9	.	526.3
Norway	170	159	7.6	19.6	70.5	2.3	9.9	0.0	0.7	479.3	462.7	459.2	467.7	440.9	.	415.7
Portugal	327	315	18.0	32.6	49.4	0.0	3.5	0.0	0.3	479.1	483.8	484.2	.	456.0	.	510.3
Russian Federation	390	387	7.3	27.8	63.8	1.2	1.0	0.0	0.0	532.7	483.3	478.6	470.0	572.7	.	.
Russian Federation 6hr+	174	173	10.7	44.7	44.4	0.2	3.0	0.0	0.0	575.9	536.4	536.0	434.8	532.9	.	.
Slovenia	147	144	4.2	28.2	64.3	3.3	0.6	0.0	0.9	455.1	452.3	464.8	441.5	432.2	.	447.0
Sweden	237	220	2.4	21.6	70.4	5.6	6.2	0.0	0.3	432.2	447.3	433.2	419.6	368.6	.	354.5
United States	392	310	21.5	39.4	34.5	4.6	17.9	0.0	0.0	475.2	494.4	481.5	479.2	484.3	.	534.8
International Avg (n=9)	2647	2441	15.9	30.6	51.4	2.1	6.3	0.0	0.8	475.0	473.5	465.4	473.7	461.9	.	456.0

Question: In teaching advanced mathematics to this class, how often do you ask students to do the following. Communicate their arguments
 Location: TQM-19j (MTBM19J)

Country	Sample	Valid N	1.Every or almost every lesson %	2.About half the lesson s %	3.Some lesson s %	4.Never r %	Not Admini stered %	Not Applic able %	Omitte d %	1.Every or almost every lesson Mean	2.About half the lesson s Mean	3.Some lesson s Mean	4.Never r Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	384	55.3	30.3	14.4	0.0	7.4	0.0	1.7	466.9	458.0	443.8	.	480.9	.	479.0
Italy	284	255	33.4	35.1	30.8	0.7	8.7	0.0	0.9	426.3	427.3	422.1	270.2	396.6	.	436.8
Lebanon	275	264	70.7	22.3	6.0	1.0	1.0	0.0	3.5	534.2	529.2	525.2	520.4	524.9	.	520.2
Norway	170	159	20.6	37.9	41.2	0.4	9.9	0.0	0.7	463.1	464.2	458.7	432.5	440.9	.	415.7
Portugal	327	315	55.5	29.2	15.3	0.0	3.5	0.0	0.1	486.6	474.7	487.1	.	456.0	.	487.3
Russian Federation	390	385	40.4	37.6	22.0	0.0	1.0	0.0	0.1	504.3	480.9	450.5	434.8	572.7	.	560.3
Russian Federation 6hr+	174	172	58.2	32.0	9.6	0.2	3.0	0.0	0.5	544.6	543.9	501.5	434.8	532.9	.	602.6
Slovenia	147	144	51.7	31.3	16.2	0.8	0.6	0.0	0.9	463.2	459.8	451.3	450.3	432.2	.	447.0
Sweden	237	219	29.4	38.5	32.0	0.0	6.2	0.0	0.4	442.1	436.6	427.8	.	368.6	.	394.5
United States	392	310	40.3	38.7	20.1	0.9	17.9	0.0	0.0	487.9	477.9	495.9	429.9	484.3	.	534.8
International Avg (n=9)	2647	2435	44.1	33.4	22.0	0.4	6.3	0.0	0.9	475.0	467.6	462.5	423.0	461.9	.	475.1

Question: In teaching advanced mathematics to this class, how often do you ask students to do the following. Take a written test or quiz
 Location: TQM-19k (MTBM19K)

Country	Sample	Valid N	1.Every or almost every lesson %	2.About half the lessons %	3.Some lessons %	4.Never %	Not Administered %	Not Applicable %	Omitted %	1.Every or almost every lesson Mean	2.About half the lessons Mean	3.Some lessons Mean	4.Never Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	384	2.1	6.6	90.8	0.5	7.4	0.0	1.5	443.0	451.9	462.1	472.3	480.9	.	471.2
Italy	284	254	10.5	8.4	81.0	0.0	8.7	0.0	1.1	381.3	423.5	430.0	.	396.6	.	423.8
Lebanon	275	267	69.4	18.6	10.2	1.8	1.0	0.0	2.5	532.8	530.8	531.2	534.7	524.9	.	518.4
Norway	170	159	0.0	7.9	92.1	0.0	9.9	0.0	0.7	.	462.5	461.5	.	440.9	.	415.7
Portugal	327	316	2.8	1.2	94.8	1.2	3.5	0.0	0.0	499.2	471.8	483.1	469.8	456.0	.	.
Russian Federation	390	385	9.6	45.2	45.2	0.0	1.0	0.0	0.2	482.2	473.0	494.6	.	572.7	.	535.9
Russian Federation 6hr+	174	171	7.0	50.4	42.6	0.0	3.0	0.0	1.0	511.8	536.5	549.6	.	532.9	.	535.9
Slovenia	147	144	4.9	4.7	90.0	0.4	0.6	0.0	0.9	415.5	437.9	463.6	491.1	432.2	.	447.0
Sweden	237	219	4.7	6.7	86.9	1.8	6.2	0.0	0.4	450.3	423.7	435.8	422.1	368.6	.	394.5
United States	392	310	9.2	21.8	68.8	0.2	17.9	0.0	0.0	469.6	470.4	492.2	380.9	484.3	.	534.8
International Avg (n=9)	2647	2438	12.6	13.4	73.3	0.6	6.3	0.0	0.8	459.2	460.6	472.7	461.8	461.9	.	467.7

Question: Do the students in this class have computers, tablets, calculators, or smartphones available to use during their advanced mathematics lessons
 Location: TQM-20A (MTBM20A)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	386	85.7	14.3	7.4	0.0	1.0	459.6	470.2	480.9	.	470.8
Italy	284	253	58.2	41.8	8.7	0.0	1.5	430.4	416.7	396.6	.	406.2
Lebanon	275	269	48.5	51.5	1.0	0.0	0.8	543.1	521.4	524.9	.	532.2
Norway	170	159	100.0	0.0	9.9	0.0	0.7	461.6	.	440.9	.	415.7
Portugal	327	315	78.1	21.9	3.5	0.0	0.6	485.2	477.0	456.0	.	458.6
Russian Federation	390	387	64.5	35.5	1.0	0.0	0.0	485.9	479.8	572.7	.	.
Russian Federation 6hr+	174	173	67.7	32.3	3.0	0.0	0.0	542.2	536.3	532.9	.	.
Slovenia	147	144	75.0	25.0	0.6	0.0	0.9	458.4	465.2	432.2	.	447.0
Sweden	237	221	96.8	3.2	6.2	0.0	0.0	434.9	444.6	368.6	.	.
United States	392	310	92.4	7.6	17.9	0.0	0.0	485.1	485.4	484.3	.	534.8
International Avg (n=9)	2647	2444	77.7	22.3	6.3	0.0	0.6	471.6	470.0	461.9	.	466.5

Question: How often do you have the students do the following activities on computers, tablets, calculators, or smartphones during advanced mathematics lessons. Read the textbook or course materials in digital format

Location: TQM-20Ba (MTBM20BA)

Country	Sample	Valid N	1.Every y or almost every day %	2.Once or twice a week %	3.Once or twice a month %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Every y or almost every day Mean	2.Once or twice a week Mean	3.Once or twice a month Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	383	6.7	9.7	11.4	57.8	7.4	14.5	1.8	456.0	466.8	464.5	457.5	480.9	470.2	474.5
Italy	284	251	7.1	8.5	15.5	26.8	8.7	42.2	2.3	372.3	419.4	409.4	461.6	396.6	416.7	411.6
Lebanon	275	259	8.3	11.5	5.9	21.0	1.0	53.4	4.3	557.2	536.6	545.3	538.8	524.9	521.4	549.6
Norway	170	159	18.4	13.4	15.8	52.4	9.9	0.0	0.7	452.6	445.5	468.9	466.6	440.9	.	415.7
Portugal	327	309	2.2	10.5	17.5	47.5	4.7	22.3	1.4	491.4	476.5	486.7	486.0	465.3	477.0	473.5
Russian Federation	390	382	21.5	18.4	15.2	9.1	1.0	35.8	0.7	482.6	489.9	471.2	509.2	572.7	479.8	502.3
Russian Federation 6hr+	174	169	25.9	25.0	9.4	6.5	3.0	33.2	2.7	541.6	552.1	511.6	559.6	532.9	536.3	522.3
Slovenia	147	144	3.1	5.8	13.2	52.8	0.6	25.0	0.9	460.4	460.3	478.6	453.0	432.2	465.2	447.0
Sweden	237	216	4.9	4.8	23.5	63.5	6.2	3.3	1.3	421.8	427.7	422.3	441.7	368.6	444.6	407.8
United States	392	308	10.5	18.2	5.4	58.2	17.9	7.7	0.6	502.4	480.5	491.0	482.9	484.3	485.4	487.2
International Avg (n=9)	2647	2411	9.2	11.2	13.7	43.2	6.4	22.7	1.6	466.3	467.0	470.9	477.5	462.9	470.0	463.2

Question: How often do you have the students do the following activities on computers, tablets, calculators, or smartphones during advanced mathematics lessons. Look up ideas and information

Location: TQM-20Bb (MTBM20BB)

Country	Sample	Valid N	1.Every y or almost every day %	2.Once or twice a week %	3.Once or twice a month %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Every y or almost every day Mean	2.Once or twice a week Mean	3.Once or twice a month Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	381	4.7	20.0	23.6	37.2	7.4	14.5	2.1	466.7	463.7	458.0	456.5	480.9	470.2	480.3
Italy	284	252	3.5	16.3	21.3	16.8	8.7	42.0	1.9	416.1	394.6	447.3	446.8	396.6	416.7	411.0
Lebanon	275	258	8.7	15.2	11.3	11.2	1.0	53.6	4.7	568.7	532.3	539.7	539.3	524.9	521.4	546.0
Norway	170	159	10.1	14.8	34.5	40.6	9.9	0.0	0.7	461.1	441.5	466.3	465.1	440.9	.	415.7
Portugal	327	310	0.6	9.9	24.8	42.5	4.7	22.3	1.2	488.2	484.4	490.7	482.1	465.3	477.0	461.9
Russian Federation	390	387	17.8	28.5	15.1	3.2	1.0	35.5	0.0	501.9	479.1	498.9	395.8	572.7	479.8	.
Russian Federation 6hr+	174	173	20.0	28.4	16.3	3.0	3.0	32.3	0.0	555.3	527.7	555.9	519.5	532.9	536.3	.
Slovenia	147	143	2.4	6.5	32.3	33.7	0.6	25.1	1.1	462.0	455.6	453.2	464.0	432.2	465.2	436.3
Sweden	237	215	2.1	6.8	52.0	35.8	6.2	3.3	2.0	441.1	429.7	425.0	450.3	368.6	444.6	428.2
United States	392	309	6.4	28.4	30.1	27.3	17.9	7.7	0.4	480.1	472.8	489.4	493.3	484.3	485.4	539.9
International Avg (n=9)	2647	2414	6.3	16.3	27.2	27.6	6.4	22.7	1.6	476.2	461.5	474.3	465.9	462.9	470.0	464.9

Question: How often do you have the students do the following activities on computers, tablets, calculators, or smartphones during advanced mathematics lessons. Process and analyze data

Location: TQM-20Bc (MTBM20BC)

Country	Sample	Valid N	1.Every y or almost every day %	2.Once or twice a week %	3.Once or twice a month %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Every y or almost every day Mean	2.Once or twice a week Mean	3.Once or twice a month Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	379	11.7	28.5	32.0	13.2	7.4	14.6	2.6	469.0	465.6	452.1	454.0	480.9	470.2	474.9
Italy	284	248	9.9	13.5	21.5	12.5	8.7	42.7	3.2	417.4	435.2	437.4	418.1	396.6	416.7	436.8
Lebanon	275	254	17.8	7.6	11.4	8.5	1.0	54.7	6.5	547.0	536.5	540.1	548.3	524.9	521.4	537.8
Norway	170	159	17.8	35.7	35.2	11.4	9.9	0.0	0.7	457.1	455.2	468.1	468.3	440.9	.	415.7
Portugal	327	304	4.0	19.3	35.3	18.7	4.7	22.7	3.1	481.9	485.1	485.0	487.7	465.3	477.0	468.7
Russian Federation	390	380	6.5	20.2	23.6	13.4	1.0	36.3	2.1	511.7	489.1	485.5	484.1	572.7	479.8	394.0
Russian Federation 6hr+	174	172	6.1	20.5	27.2	13.8	3.0	32.5	0.6	542.5	531.0	560.8	521.2	532.9	536.3	566.3
Slovenia	147	143	2.4	3.8	24.8	43.9	0.6	25.1	1.1	434.3	393.8	476.6	455.3	432.2	465.2	436.3
Sweden	237	213	5.5	16.5	52.9	21.8	6.2	3.3	2.5	430.6	435.5	430.2	447.1	368.6	444.6	432.6
United States	392	309	25.8	28.0	21.1	17.5	17.9	7.6	0.2	472.1	475.9	505.2	496.1	484.3	485.4	400.6
International Avg (n=9)	2647	2389	11.3	19.2	28.6	17.9	6.4	23.0	2.5	469.0	463.6	475.6	473.2	462.9	470.0	444.1

Question: How often do you have the students do the following activities on computers, tablets, calculators, or smartphones during advanced mathematics lessons. Draw graphs of functions

Location: TQM-20Bd (MTBM20BD)

Country	Sample	Valid N	1.Every y or almost every day %	2.Once or twice a week %	3.Once or twice a month %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Every y or almost every day Mean	2.Once or twice a week Mean	3.Once or twice a month Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	381	15.2	48.7	18.2	3.4	7.4	14.5	1.9	460.4	455.0	460.0	510.4	480.9	470.2	481.2
Italy	284	253	13.4	18.1	12.4	14.3	8.7	41.8	1.5	389.6	438.4	442.4	448.2	396.6	416.7	406.2
Lebanon	275	255	14.7	9.2	9.5	12.4	1.0	54.1	5.5	563.1	519.9	557.0	527.7	524.9	521.4	538.3
Norway	170	159	35.0	52.7	11.1	1.1	9.9	0.0	0.7	461.9	457.5	477.3	487.4	440.9	.	415.7
Portugal	327	314	21.9	50.5	4.3	1.1	4.7	22.2	0.6	477.6	486.5	497.3	516.1	465.3	477.0	458.6
Russian Federation	390	379	1.5	10.1	28.2	23.8	1.0	36.5	2.6	526.8	517.9	494.1	469.6	572.7	479.8	404.1
Russian Federation 6hr+	174	170	2.1	17.1	25.1	22.7	3.0	33.0	2.2	566.8	558.4	544.6	525.8	532.9	536.3	536.4
Slovenia	147	144	8.0	16.9	26.2	23.9	0.6	25.0	0.9	458.8	466.7	459.2	451.3	432.2	465.2	447.0
Sweden	237	217	28.4	33.8	31.9	2.6	6.2	3.3	1.7	442.6	431.5	429.3	468.6	368.6	444.6	428.4
United States	392	310	43.0	40.9	6.1	2.4	17.9	7.6	0.0	478.2	489.1	510.1	476.8	484.3	485.4	534.8
International Avg (n=9)	2647	2412	20.1	31.2	16.4	9.4	6.4	22.8	1.7	473.2	473.6	480.8	484.0	462.9	470.0	457.2

Question: How often do you have the students do the following activities on computers, tablets, calculators, or smartphones during advanced mathematics lessons. Solve equations

Location: TQM-20Be (MTBM20BE)

Country	Sample	Valid N	1.Every y or almost every day %	2.Once or twice a week %	3.Once or twice a month %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Every y or almost every day Mean	2.Once or twice a week Mean	3.Once or twice a month Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	380	13.8	34.5	23.6	13.5	7.4	14.5	2.1	457.8	460.4	459.5	456.9	480.9	470.2	479.5
Italy	284	251	9.1	11.1	9.9	27.7	8.7	42.1	2.1	370.4	437.5	445.9	442.8	396.6	416.7	401.0
Lebanon	275	261	28.0	9.1	7.6	2.1	1.0	53.2	4.0	538.7	553.0	542.1	554.4	524.9	521.4	545.1
Norway	170	159	28.8	46.2	19.6	5.3	9.9	0.0	0.7	460.5	455.9	467.6	495.0	440.9	.	415.7
Portugal	327	313	7.5	34.0	31.3	5.0	4.7	22.2	0.8	487.9	476.7	494.9	477.9	465.3	477.0	453.4
Russian Federation	390	379	5.7	16.0	17.0	24.9	1.0	36.4	2.3	491.9	483.9	492.0	484.4	572.7	479.8	457.4
Russian Federation 6hr+	174	170	3.9	17.2	14.1	31.8	3.0	33.0	2.2	563.5	521.1	549.8	548.1	532.9	536.3	536.4
Slovenia	147	144	3.6	10.8	24.5	36.1	0.6	25.0	0.9	460.0	456.2	447.2	466.4	432.2	465.2	447.0
Sweden	237	215	14.5	22.2	50.1	9.9	6.2	3.3	2.2	430.8	444.3	434.1	426.7	368.6	444.6	422.7
United States	392	310	42.2	28.8	13.3	8.1	17.9	7.6	0.0	482.5	480.9	501.2	487.1	484.3	485.4	534.8
International Avg (n=9)	2647	2412	17.0	23.6	21.9	14.7	6.4	22.7	1.7	464.5	472.1	476.0	476.8	462.9	470.0	461.8

Question: How often do you have the students do the following activities on computers, tablets, calculators, or smartphones during advanced mathematics lessons. Manipulate algebraic expressions
 Location: TQM-20Bf (MTBM20BF)

Country	Sample	Valid N	1.Every y or almost every day %	2.Once or twice a week %	3.Once or twice a month %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Every y or almost every day Mean	2.Once or twice a week Mean	3.Once or twice a month Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	379	24.8	27.9	13.9	18.9	7.4	14.5	1.9	454.5	464.8	451.6	462.5	480.9	470.2	482.8
Italy	284	252	9.1	7.4	11.0	30.5	8.7	42.0	1.9	380.8	434.3	428.3	444.9	396.6	416.7	411.0
Lebanon	275	258	21.3	10.9	6.3	7.8	1.0	53.6	4.7	547.1	535.4	549.4	535.1	524.9	521.4	546.0
Norway	170	159	19.5	33.4	35.6	11.6	9.9	0.0	0.7	462.9	454.7	460.5	482.5	440.9	.	415.7
Portugal	327	312	7.2	18.4	24.9	27.3	4.7	22.2	0.9	484.3	478.6	482.4	492.4	465.3	477.0	451.8
Russian Federation	390	380	8.1	16.9	13.4	25.5	1.0	36.2	1.8	464.1	501.6	481.3	489.5	572.7	479.8	422.8
Russian Federation 6hr+	174	169	5.7	16.7	14.2	30.1	3.0	33.3	2.9	551.5	518.2	554.1	547.8	532.9	536.3	546.2
Slovenia	147	144	0.9	8.3	16.5	49.2	0.6	25.0	0.9	409.2	460.2	449.0	462.1	432.2	465.2	447.0
Sweden	237	213	6.7	6.3	23.0	60.6	6.2	3.4	3.3	441.6	429.8	412.4	442.8	368.6	444.6	442.7
United States	392	310	37.1	20.3	13.9	21.1	17.9	7.6	0.0	479.2	473.6	498.9	497.4	484.3	485.4	534.8
International Avg (n=9)	2647	2407	15.0	16.6	17.6	28.1	6.4	22.7	1.8	458.2	470.3	468.2	478.8	462.9	470.0	461.6

Question: How often do you have the students do the following activities on computers, tablets, calculators, or smartphones during advanced mathematics lessons. Conduct modeling and simulations

Location: TQM-20Bg (MTBM20BG)

Country	Sample	Valid N	1.Every y or almost every day %	2.Once or twice a week %	3.Once or twice a month %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Every y or almost every day Mean	2.Once or twice a week Mean	3.Once or twice a month Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	381	4.6	22.4	41.6	16.9	7.4	14.5	1.9	479.0	465.5	458.8	446.4	480.9	470.2	481.2
Italy	284	252	3.7	7.9	19.7	26.7	8.7	42.0	1.9	402.4	391.7	444.2	435.5	396.6	416.7	411.0
Lebanon	275	257	10.7	11.0	9.6	15.1	1.0	53.7	4.9	555.9	532.5	540.2	542.2	524.9	521.4	545.8
Norway	170	159	7.1	28.6	56.1	8.2	9.9	0.0	0.7	440.5	464.0	465.5	444.6	440.9	.	415.7
Portugal	327	312	2.7	19.0	49.9	6.1	4.7	22.2	0.9	456.3	480.7	486.0	506.1	465.3	477.0	448.1
Russian Federation	390	377	1.3	8.3	24.2	29.9	1.0	36.3	2.1	525.9	501.1	496.2	475.7	572.7	479.8	429.9
Russian Federation 6hr+	174	167	1.7	8.0	28.3	28.6	3.0	33.4	3.4	544.5	544.9	543.3	540.2	532.9	536.3	543.1
Slovenia	147	144	1.3	7.2	25.5	41.0	0.6	25.0	0.9	433.1	461.5	470.0	451.4	432.2	465.2	447.0
Sweden	237	217	2.1	13.8	63.7	17.1	6.2	3.3	1.7	425.7	430.6	436.2	435.4	368.6	444.6	428.4
United States	392	309	15.5	23.2	33.0	20.7	17.9	7.6	0.1	473.4	476.6	491.8	492.9	484.3	485.4	469.1
International Avg (n=9)	2647	2408	5.5	15.7	35.9	20.2	6.4	22.7	1.7	465.8	467.1	476.5	470.0	462.9	470.0	452.9

Question: How often do you have the students do the following activities on computers, tablets, calculators, or smartphones during advanced mathematics lessons. Perform numerical integration

Location: TQM-20Bh (MTBM20BH)

Country	Sample	Valid N	1.Every y or almost every day %	2.Once or twice a week %	3.Once or twice a month %	4.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Every y or almost every day Mean	2.Once or twice a week Mean	3.Once or twice a month Mean	4.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	380	1.6	20.9	41.8	21.1	7.4	14.5	2.0	465.7	461.6	454.0	466.4	480.9	470.2	482.3
Italy	284	249	3.0	9.1	13.6	31.9	8.7	42.5	3.0	355.6	435.2	444.1	430.6	396.6	416.7	413.9
Lebanon	275	260	14.8	17.3	9.7	4.9	1.0	53.3	4.2	552.3	536.6	539.8	541.6	524.9	521.4	544.9
Norway	170	159	7.4	33.6	41.7	17.3	9.9	0.0	0.7	447.6	464.7	456.9	473.0	440.9	.	415.7
Portugal	327	307	0.0	0.1	0.0	77.4	4.7	22.5	2.1	.	406.2	.	485.4	465.3	477.0	465.2
Russian Federation	390	378	0.9	4.5	19.6	38.7	1.0	36.3	2.1	537.5	469.3	501.1	482.3	572.7	479.8	426.5
Russian Federation 6hr+	174	168	0.7	5.5	18.7	41.7	3.0	33.4	3.2	535.3	537.6	548.6	540.4	532.9	536.3	538.2
Slovenia	147	144	0.4	5.0	11.5	58.0	0.6	25.0	0.9	462.8	419.0	465.6	460.3	432.2	465.2	447.0
Sweden	237	218	4.3	10.9	73.8	7.7	6.2	3.3	1.0	427.6	430.5	437.2	427.7	368.6	444.6	402.6
United States	392	310	34.9	39.1	9.9	8.5	17.9	7.6	0.0	481.6	480.5	496.5	507.3	484.3	485.4	534.8
International Avg (n=9)	2647	2405	7.5	15.6	24.6	29.5	6.4	22.8	1.8	466.3	456.0	474.4	474.9	462.9	470.0	459.2

Question: When students in this class have been taught each of the following Advanced mathematics topics. Algebra: Operations with exponential, logarithmic, polynomial, rational, and radical expressions
 Location: TQM-21Aa (MTBM21AA)

Country	Sample	Valid N	1. Most ly taught before this year %	2. Most ly taught this year %	3. Not yet or just introd uced %	Not Admini stered %	Not Applic able %	Omitte d %	1. Most ly taught before this year Mean	2. Most ly taught this year Mean	3. Not yet or just introd uced Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	384	6.7	91.9	1.4	7.4	0.0	1.1	478.8	459.2	498.8	480.9	.	475.1
Italy	284	256	97.9	2.1	0.0	8.7	0.0	0.5	427.6	282.3	.	396.6	.	405.0
Lebanon	275	260	21.3	77.4	1.3	1.8	0.0	3.3	546.6	529.5	499.2	516.9	.	515.0
Norway	170	159	94.2	3.9	1.8	9.9	0.0	0.7	461.1	454.2	500.5	440.9	.	415.7
Portugal	327	315	17.5	82.5	0.0	3.9	0.0	0.0	480.1	483.7	.	461.8	.	.
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	144	98.7	0.9	0.5	0.6	0.0	0.9	460.2	457.5	434.0	432.2	.	447.0
Sweden	237	218	81.0	19.0	0.0	6.2	0.0	1.4	433.4	440.9	.	368.6	.	459.5
United States	392	310	95.9	3.6	0.4	17.9	0.0	0.0	487.9	421.1	404.3	484.3	.	534.8
International Avg (n=8)	2647	2046	64.2	35.2	0.7	7.0	0.0	1.0	472.0	441.0	467.4	447.8	.	464.6

Question: When students in this class have been taught each of the following Advanced mathematics topics. Algebra: Operations with complex numbers
 Location: TQM-21Ab (MTBM21AB)

Country	Sample	Valid N	1. Most ly taught before this year %	2. Most ly taught this year %	3. Not yet or just introd uced %	Not Admini stered %	Not Applic able %	Omitte d %	1. Most ly taught before this year Mean	2. Most ly taught this year Mean	3. Not yet or just introd uced Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	384	2.1	96.5	1.5	7.4	0.0	1.1	500.2	459.5	508.3	480.9	.	475.1
Italy	284	254	68.9	2.1	29.0	8.7	0.0	1.0	441.4	425.7	384.4	396.6	.	407.2
Lebanon	275	263	40.8	58.7	0.5	1.7	0.0	2.8	540.1	527.3	513.2	520.1	.	519.2
Norway	170	158	0.5	7.9	91.6	9.9	0.0	1.0	438.2	467.6	461.1	440.9	.	435.9
Portugal	327	315	0.8	73.6	25.6	3.9	0.0	0.0	490.2	481.6	487.1	461.8	.	.
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	144	99.5	0.0	0.5	0.6	0.0	0.9	460.2	.	434.0	432.2	.	447.0
Sweden	237	217	17.8	58.4	23.8	6.2	0.0	2.0	422.3	444.2	419.4	368.6	.	471.9
United States	392	310	95.0	2.8	2.1	17.9	0.0	0.0	487.5	428.0	453.3	484.3	.	534.8
International Avg (n=8)	2647	2045	40.7	37.5	21.8	7.0	0.0	1.1	472.5	462.0	457.6	448.2	.	470.2

Question: When students in this class have been taught each of the following Advanced mathematics topics. Algebra: Evaluating algebraic expressions
 (e.g., exponential, logarithmic, polynomial, rational, and radical)
 Location: TQM-21Ac (MTBM21AC)

Country	Sample	Valid N	1. Most ly taught before this year %	2. Most ly taught this year %	3. Not yet or just introd uced %	Not Admini stered %	Not Applic able %	Omitte d %	1. Most ly taught before this year Mean	2. Most ly taught this year Mean	3. Not yet or just introd uced Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	382	16.9	81.2	1.8	7.4	0.0	1.4	466.0	459.2	490.1	480.9	.	482.1
Italy	284	256	94.1	5.2	0.8	8.7	0.0	0.5	427.8	382.5	302.7	396.6	.	405.0
Lebanon	275	262	29.4	69.6	1.1	1.9	0.0	2.8	545.7	527.4	472.4	535.6	.	519.2
Norway	170	159	95.6	2.5	1.8	9.9	0.0	0.7	461.2	448.3	500.5	440.9	.	415.7
Portugal	327	313	19.0	81.0	0.0	3.9	0.0	0.4	489.3	481.6	.	461.8	.	488.5
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	144	99.1	0.4	0.5	0.6	0.0	0.9	459.9	540.1	434.0	432.2	.	447.0
Sweden	237	218	86.8	12.9	0.3	6.2	0.0	1.4	432.1	453.7	412.7	368.6	.	459.5
United States	392	310	94.0	5.7	0.4	17.9	0.0	0.0	487.4	452.9	397.6	484.3	.	534.8
International Avg (n=8)	2647	2044	66.9	32.3	0.8	7.1	0.0	1.0	471.2	468.2	430.0	450.1	.	469.0

Question: When students in this class have been taught each of the following Advanced mathematics topics. Algebra: The nth term of arithmetic and geometric sequences and the sums of finite and infinite series
 Location: TQM-21Ad (MTBM21AD)

Country	Sample	Valid N	1. Most ly taught before this year %	2. Most ly taught this year %	3. Not yet or just introd uced %	Not Admini stered %	Not Applic able %	Omitte d %	1. Most ly taught before this year Mean	2. Most ly taught this year Mean	3. Not yet or just introd uced Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	383	75.0	22.1	2.9	7.4	0.0	1.2	460.4	462.4	465.4	480.9	.	479.9
Italy	284	253	33.5	14.8	51.7	8.7	0.0	1.3	457.7	481.8	386.8	396.6	.	407.5
Lebanon	275	261	60.6	37.8	1.6	1.9	0.0	3.3	538.2	524.1	496.7	535.6	.	520.6
Norway	170	159	4.1	76.2	19.7	9.9	0.0	0.7	468.8	459.4	468.5	440.9	.	415.7
Portugal	327	311	61.1	6.4	32.5	3.9	0.0	1.8	482.4	478.7	486.0	461.8	.	469.8
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	143	4.9	94.7	0.5	0.6	0.0	2.6	462.4	460.3	434.0	432.2	.	449.4
Sweden	237	215	32.0	13.3	54.7	6.2	0.0	2.8	423.2	438.6	442.9	368.6	.	409.1
United States	392	310	71.7	16.6	11.7	17.9	0.0	0.0	488.8	484.6	463.2	484.3	.	534.8
International Avg (n=8)	2647	2035	42.8	35.2	21.9	7.1	0.0	1.7	472.7	473.7	455.4	450.1	.	460.9

Question: When students in this class have been taught each of the following Advanced mathematics topics. Algebra: Linear, simultaneous, and quadratic equations and inequalities; radical equations, logarithmic, and exponential equations
 Location: TQM-21Ae (MTBM21AE)

Country	Sample	Valid N	1. Most ly taught before this year %	2. Most ly taught this year %	3. Not yet or just introd uced %	Not Admini stered %	Not Applic able %	Omitte d %	1. Most ly taught before this year Mean	2. Most ly taught this year Mean	3. Not yet or just introd uced Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	382	27.1	71.8	1.1	7.4	0.0	1.6	460.8	460.4	499.0	480.9	.	475.0
Italy	284	256	97.6	2.4	0.0	8.7	0.0	0.5	426.9	324.8	.	396.6	.	405.0
Lebanon	275	259	49.6	50.4	0.0	2.0	0.0	3.0	540.4	524.6	.	531.8	.	514.0
Norway	170	159	93.4	5.9	0.7	9.9	0.0	0.7	461.6	459.9	470.0	440.9	.	415.7
Portugal	327	313	57.8	42.2	0.0	3.9	0.0	0.8	487.4	477.8	.	461.8	.	447.6
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	144	99.1	0.4	0.5	0.6	0.0	0.9	459.9	540.1	434.0	432.2	.	447.0
Sweden	237	218	93.8	6.2	0.0	6.2	0.0	1.4	432.6	468.6	.	368.6	.	459.5
United States	392	310	93.4	6.3	0.4	17.9	0.0	0.0	488.6	439.0	397.6	484.3	.	534.8
International Avg (n=8)	2647	2041	76.5	23.2	0.3	7.1	0.0	1.1	469.8	461.9	450.1	449.7	.	462.3

Question: When students in this class have been taught each of the following Advanced mathematics topics. Algebra: Slopes, y-axis intercepts,
 and points of intersection of straight lines
 Location: TQM-21Af (MTBM21AF)

Country	Sample	Valid N	1. Most ly taught before this year %	2. Most ly taught this year %	3. Not yet or just introd uced %	Not Admini stered %	Not Applic able %	Omitte d %	1. Most ly taught before this year Mean	2. Most ly taught this year Mean	3. Not yet or just introd uced Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	384	97.5	1.4	1.1	7.4	0.0	1.1	460.4	475.8	502.0	480.9	.	475.1
Italy	284	255	98.1	1.9	0.0	8.7	0.0	0.9	426.5	331.0	.	396.6	.	393.5
Lebanon	275	262	94.2	4.2	1.6	1.4	0.0	3.0	532.7	518.6	526.6	516.3	.	534.1
Norway	170	158	97.1	0.8	2.1	9.9	0.0	2.1	461.3	451.4	496.4	440.9	.	428.6
Portugal	327	315	96.6	3.4	0.0	3.9	0.0	0.0	483.6	467.6	.	461.8	.	.
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	144	96.4	3.6	0.0	0.6	0.0	0.9	459.9	464.3	.	432.2	.	447.0
Sweden	237	217	96.2	3.8	0.0	6.2	0.0	1.8	434.2	452.1	.	368.6	.	453.0
United States	392	310	97.0	3.0	0.0	17.9	0.0	0.0	485.9	460.3	.	484.3	.	534.8
International Avg (n=8)	2647	2045	96.6	2.8	0.6	7.0	0.0	1.2	468.1	452.6	508.3	447.7	.	466.6

Question: When students in this class have been taught each of the following Advanced mathematics topics. Algebra: Equivalent representations of functions, including composite functions, as ordered pairs, tables, graphs, formulas, or words

Location: TQM-21Ag (MTBM21AG)

Country	Sample	Valid N	1. Most ly taught before this year %	2. Most ly taught this year %	3. Not yet or just introd uced %	Not Admini stered %	Not Applic able %	Omitte d %	1. Most ly taught before this year Mean	2. Most ly taught this year Mean	3. Not yet or just introd uced Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	382	78.4	17.6	4.0	7.4	0.0	1.4	460.0	462.1	472.0	480.9	.	483.4
Italy	284	252	77.5	16.1	6.4	8.7	0.0	2.0	433.6	400.0	384.0	396.6	.	393.7
Lebanon	275	258	58.9	34.3	6.8	1.7	0.0	4.5	536.7	526.6	532.0	520.1	.	514.2
Norway	170	159	88.4	7.1	4.5	9.9	0.0	0.7	461.1	481.8	439.9	440.9	.	415.7
Portugal	327	315	93.8	6.2	0.0	3.9	0.0	0.0	483.4	478.4	.	461.8	.	.
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	144	67.4	28.5	4.1	0.6	0.0	0.9	465.6	451.5	428.6	432.2	.	447.0
Sweden	237	218	82.5	17.1	0.4	6.2	0.0	1.4	432.7	446.2	396.7	368.6	.	459.5
United States	392	310	96.1	3.9	0.0	17.9	0.0	0.0	485.7	469.5	.	484.3	.	534.8
International Avg (n=8)	2647	2038	80.4	16.3	3.3	7.0	0.0	1.4	469.9	464.5	442.2	448.2	.	464.1

Question: When students in this class have been taught each of the following Advanced mathematics topics. Algebra: Properties of functions including domain and range

Location: TQM-21Ah (MTBM21AH)

Country	Sample	Valid N	1. Most ly taught before this year %	2. Most ly taught this year %	3. Not yet or just introd uced %	Not Admini stered %	Not Applic able %	Omitte d %	1. Most ly taught before this year Mean	2. Most ly taught this year Mean	3. Not yet or just introd uced Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	383	96.1	2.0	2.0	7.4	0.0	1.2	460.6	469.9	472.3	480.9	.	479.9
Italy	284	254	42.2	56.8	1.1	8.7	0.0	1.2	445.1	411.2	316.3	396.6	.	415.2
Lebanon	275	258	71.5	25.7	2.8	1.8	0.0	3.9	538.4	514.7	546.9	516.9	.	521.9
Norway	170	159	93.3	4.8	1.8	9.9	0.0	0.7	461.9	441.5	500.5	440.9	.	415.7
Portugal	327	315	93.5	6.5	0.0	3.9	0.0	0.0	484.4	464.0	.	461.8	.	.
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	144	92.4	7.6	0.0	0.6	0.0	0.9	462.6	429.6	.	432.2	.	447.0
Sweden	237	217	88.3	11.7	0.0	6.2	0.0	1.8	434.0	441.0	.	368.6	.	453.0
United States	392	310	94.2	5.8	0.0	17.9	0.0	0.0	486.3	466.3	.	484.3	.	534.8
International Avg (n=8)	2647	2040	83.9	15.1	1.0	7.0	0.0	1.2	471.7	454.8	459.0	447.8	.	466.8

Question: When students in this class have been taught each of the following Advanced mathematics topics. Calculus: Limits of functions
 Location: TQM-21Ba (MTBM21BA)

Country	Sample	Valid N	1. Most ly taught before this year %	2. Most ly taught this year %	3. Not yet or just introd uced %	Not Admini stered %	Not Applic able %	Omitte d %	1. Most ly taught before this year Mean	2. Most ly taught this year Mean	3. Not yet or just introd uced Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	383	5.5	93.2	1.3	7.4	0.0	1.4	474.5	459.4	506.6	480.9	.	484.9
Italy	284	256	24.7	75.3	0.0	8.7	0.0	0.5	382.8	438.1	.	396.6	.	405.0
Lebanon	275	262	83.2	16.4	0.5	1.8	0.0	2.8	534.5	522.2	532.8	516.9	.	519.2
Norway	170	159	96.0	2.2	1.8	9.9	0.0	0.7	460.9	459.5	500.5	440.9	.	415.7
Portugal	327	314	1.7	97.7	0.5	3.9	0.0	0.5	508.5	483.6	369.0	461.8	.	422.0
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	143	0.0	97.7	2.3	0.6	0.0	1.3	.	460.3	446.3	432.2	.	459.8
Sweden	237	218	51.3	47.6	1.0	6.2	0.0	1.4	437.7	431.5	443.9	368.6	.	459.5
United States	392	310	17.7	81.1	1.2	17.9	0.0	0.0	507.8	479.9	501.8	484.3	.	534.8
International Avg (n=8)	2647	2045	35.0	63.9	1.1	7.0	0.0	1.1	472.4	466.8	471.6	447.8	.	462.6

Question: When students in this class have been taught each of the following Advanced mathematics topics. Calculus: Conditions for continuity and differentiability of functions
 Location: TQM-21Bb (MTBM21BB)

Country	Sample	Valid N	1. Most ly taught before this year %	2. Most ly taught this year %	3. Not yet or just introd uced %	Not Admini stered %	Not Applic able %	Omitte d %	1. Most ly taught before this year Mean	2. Most ly taught this year Mean	3. Not yet or just introd uced Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	383	8.4	85.2	6.4	7.4	0.0	1.4	472.2	459.8	459.8	480.9	.	484.9
Italy	284	256	17.4	81.6	1.0	8.7	0.0	0.5	382.8	435.8	230.5	396.6	.	405.0
Lebanon	275	262	69.9	29.1	1.0	1.8	0.0	2.8	536.1	525.4	492.8	516.9	.	519.2
Norway	170	158	92.8	3.8	3.4	9.9	0.0	0.8	461.2	455.7	476.6	440.9	.	425.5
Portugal	327	313	3.9	95.1	1.0	3.9	0.0	0.7	492.3	483.5	438.2	461.8	.	441.1
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	143	0.0	94.5	5.5	0.6	0.0	1.3	.	462.8	412.0	432.2	.	459.8
Sweden	237	215	41.2	55.8	3.0	6.2	0.0	2.1	429.2	438.0	454.8	368.6	.	449.6
United States	392	310	12.9	85.5	1.6	17.9	0.0	0.0	497.8	482.6	515.4	484.3	.	534.8
International Avg (n=8)	2647	2040	30.8	66.3	2.9	7.0	0.0	1.2	467.4	467.9	435.0	447.8	.	465.0

Question: When students in this class have been taught each of the following Advanced mathematics topics. Calculus: Differentiation of functions
 (including polynomial, exponential, logarithmic, trigonometric, rational, and radical functions); differentiation of products, quotients,
 and composite functions
 Location: TQM-21Bc (MTBM21BC)

Country	Sample	Valid N	1. Most ly taught before this year %	2. Most ly taught this year %	3. Not yet or just introd uced %	Not Admini stered %	Not Applic able %	Omitte d %	1. Most ly taught before this year Mean	2. Most ly taught this year Mean	3. Not yet or just introd uced Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	383	23.7	74.7	1.7	7.4	0.0	1.4	459.9	460.4	494.8	480.9	.	484.9
Italy	284	255	15.7	84.3	0.0	8.7	0.0	0.9	389.6	430.4	.	396.6	.	456.3
Lebanon	275	262	28.5	68.6	2.9	1.8	0.0	2.8	545.2	527.6	523.8	516.9	.	519.2
Norway	170	159	77.4	21.2	1.4	9.9	0.0	0.7	461.8	457.6	508.6	440.9	.	415.7
Portugal	327	314	3.8	92.7	3.5	3.9	0.0	0.7	489.3	483.9	463.7	461.8	.	444.5
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	143	2.5	94.6	3.0	0.6	0.0	1.3	430.4	461.4	439.1	432.2	.	459.8
Sweden	237	216	30.0	70.0	0.0	6.2	0.0	2.1	434.6	435.0	.	368.6	.	449.4
United States	392	310	10.7	86.5	2.8	17.9	0.0	0.0	503.0	483.0	481.4	484.3	.	534.8
International Avg (n=8)	2647	2042	24.0	74.1	1.9	7.0	0.0	1.2	464.2	467.4	485.2	447.8	.	470.6

Question: When students in this class have been taught each of the following Advanced mathematics topics. Calculus: Using derivatives to solve problems (e.g., in optimization and rates of change)
 Location: TQM-21Bd (MTBM21BD)

Country	Sample	Valid N	1. Most ly taught before this year %	2. Most ly taught this year %	3. Not yet or just introd uced %	Not Admini stered %	Not Applic able %	Omitte d %	1. Most ly taught before this year Mean	2. Most ly taught this year Mean	3. Not yet or just introd uced Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	383	73.4	25.1	1.5	7.4	0.0	1.4	461.1	457.5	504.6	480.9	.	484.9
Italy	284	253	8.4	76.0	15.6	8.7	0.0	1.6	379.7	441.0	366.4	396.6	.	432.3
Lebanon	275	261	67.7	27.0	5.3	1.8	0.0	3.1	537.3	523.5	521.5	516.9	.	514.0
Norway	170	159	91.8	6.2	2.0	9.9	0.0	0.7	461.4	454.9	489.3	440.9	.	415.7
Portugal	327	315	18.3	81.7	0.0	3.9	0.0	0.0	491.5	481.2	.	461.8	.	.
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	143	0.0	82.3	17.7	0.6	0.0	1.3	.	464.8	437.3	432.2	.	459.8
Sweden	237	217	62.7	36.9	0.4	6.2	0.0	1.8	435.2	434.6	407.0	368.6	.	453.0
United States	392	310	9.8	86.7	3.6	17.9	0.0	0.0	494.8	483.7	492.7	484.3	.	534.8
International Avg (n=8)	2647	2041	41.5	52.7	5.8	7.0	0.0	1.2	465.9	467.7	459.8	447.8	.	470.6

Question: When students in this class have been taught each of the following Advanced mathematics topics. Calculus: Using first and second derivatives to determine slope and local extrema of functions

Location: TQM-21Be (MTBM21BE)

Country	Sample	Valid N	1. Most ly taught before this year %	2. Most ly taught this year %	3. Not yet or just introd uced %	Not Admini stered %	Not Applic able %	Omitte d %	1. Most ly taught before this year Mean	2. Most ly taught this year Mean	3. Not yet or just introd uced Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	383	59.6	30.0	10.5	7.4	0.0	1.4	459.2	459.1	474.8	480.9	.	484.9
Italy	284	255	15.1	84.6	0.3	8.7	0.0	0.9	385.9	431.3	303.5	396.6	.	456.3
Lebanon	275	259	69.9	29.3	0.8	1.8	0.0	3.5	539.8	516.0	534.8	516.9	.	515.9
Norway	170	159	95.0	3.4	1.7	9.9	0.0	0.7	461.2	451.7	504.6	440.9	.	415.7
Portugal	327	315	7.9	91.6	0.4	3.9	0.0	0.0	495.8	481.8	531.4	461.8	.	.
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	143	0.0	95.5	4.5	0.6	0.0	1.3	.	461.3	431.7	432.2	.	459.8
Sweden	237	217	72.7	27.3	0.0	6.2	0.0	2.2	434.0	439.7	.	368.6	.	420.9
United States	392	310	9.4	86.7	3.9	17.9	0.0	0.0	494.2	483.9	489.1	484.3	.	534.8
International Avg (n=8)	2647	2041	41.2	56.1	2.8	7.0	0.0	1.3	467.2	465.6	467.1	447.8	.	469.8

Question: When students in this class have been taught each of the following Advanced mathematics topics. Calculus: Using derivatives to determine points of inflection of functions
 Location: TQM-21Bf (MTBM21BF)

Country	Sample	Valid N	1. Most ly taught before this year %	2. Most ly taught this year %	3. Not yet or just introd uced %	Not Admini stered %	Not Applic able %	Omitte d %	1. Most ly taught before this year Mean	2. Most ly taught this year Mean	3. Not yet or just introd uced Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	383	8.7	8.8	82.6	7.4	0.0	1.4	474.4	451.6	460.4	480.9	.	484.9
Italy	284	255	15.1	84.4	0.5	8.7	0.0	0.9	385.9	431.7	287.4	396.6	.	456.3
Lebanon	275	262	36.7	63.0	0.3	1.2	0.0	3.4	541.2	528.1	528.0	519.5	.	507.6
Norway	170	159	91.5	6.6	1.8	9.9	0.0	0.7	461.3	455.3	500.5	440.9	.	415.7
Portugal	327	315	1.6	98.3	0.1	3.9	0.0	0.0	468.6	483.4	406.2	461.8	.	.
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	142	0.0	76.6	23.4	0.6	0.0	1.4	.	466.2	439.1	432.2	.	468.7
Sweden	237	213	52.5	26.8	20.7	6.2	0.0	3.5	427.9	430.8	459.4	368.6	.	434.8
United States	392	310	9.2	86.3	4.5	17.9	0.0	0.0	497.6	483.4	492.6	484.3	.	534.8
International Avg (n=8)	2647	2039	26.9	56.4	16.7	7.0	0.0	1.4	465.3	466.3	446.7	448.1	.	471.8

Question: When students in this class have been taught each of the following Advanced mathematics topics. Calculus: Integrating functions (including polynomial, exponential, trigonometric, and rational functions); evaluating definite integrals, including calculation of areas
 Location: TQM-21Bg (MTBM21BG)

Country	Sample	Valid N	1. Most ly taught before this year %	2. Most ly taught this year %	3. Not yet or just introd uced %	Not Admini stered %	Not Applic able %	Omitte d %	1. Most ly taught before this year Mean	2. Most ly taught this year Mean	3. Not yet or just introd uced Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	383	2.6	96.0	1.5	7.4	0.0	1.4	495.6	459.2	506.8	480.9	.	484.9
Italy	284	253	0.8	72.2	26.9	8.7	0.0	1.5	468.2	428.4	411.0	396.6	.	444.5
Lebanon	275	259	21.9	77.3	0.8	1.8	0.0	4.3	538.8	530.9	518.8	516.9	.	522.8
Norway	170	159	7.7	88.7	3.6	9.9	0.0	0.7	463.7	461.8	451.4	440.9	.	415.7
Portugal	327	313	0.5	0.5	99.0	3.9	0.0	0.2	362.8	433.2	483.9	461.8	.	486.7
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	143	0.0	74.0	26.0	0.6	0.0	1.3	.	461.0	457.0	432.2	.	459.8
Sweden	237	216	22.6	75.0	2.4	6.2	0.0	2.2	425.3	438.8	404.2	368.6	.	448.0
United States	392	310	7.3	81.3	11.4	17.9	0.0	0.0	495.6	486.4	469.0	484.3	.	534.8
International Avg (n=8)	2647	2036	7.9	70.6	21.4	7.0	0.0	1.4	464.3	462.5	462.8	447.8	.	474.6

Question: When students in this class have been taught each of the following Advanced mathematics topics. Geometry: Properties of geometric figures
 in two and three dimensions
 Location: TQM-21Ca (MTBM21CA)

Country	Sample	Valid N	1. Most ly taught before this year %	2. Most ly taught this year %	3. Not yet or just introd uced %	Not Admini stered %	Not Applic able %	Omitte d %	1. Most ly taught before this year Mean	2. Most ly taught this year Mean	3. Not yet or just introd uced Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	383	54.6	41.0	4.4	7.4	0.0	1.5	464.3	456.1	466.9	480.9	.	470.3
Italy	284	254	86.0	2.9	11.1	8.7	0.0	1.2	437.1	374.2	336.8	396.6	.	438.8
Lebanon	275	261	78.3	20.5	1.2	1.8	0.0	3.1	530.7	537.7	559.3	516.9	.	521.0
Norway	170	159	38.7	59.5	1.8	9.9	0.0	0.7	453.4	466.2	484.6	440.9	.	415.7
Portugal	327	315	98.8	1.1	0.1	3.9	0.0	0.0	483.2	475.5	406.2	461.8	.	.
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	143	89.2	10.4	0.5	0.6	0.0	1.3	459.4	466.2	434.0	432.2	.	459.8
Sweden	237	216	88.1	9.1	2.7	6.2	0.0	2.3	431.6	455.7	457.1	368.6	.	462.9
United States	392	310	92.4	4.9	2.7	17.9	0.0	0.0	485.3	475.2	495.3	484.3	.	534.8
International Avg (n=8)	2647	2041	78.3	18.7	3.1	7.0	0.0	1.3	468.1	463.4	455.0	447.8	.	471.9

Question: When students in this class have been taught each of the following Advanced mathematics topics. Geometry: Properties of vectors and their sums and differences

Location: TQM-21Cb (MTBM21CB)

Country	Sample	Valid N	1. Most ly taught before this year %	2. Most ly taught this year %	3. Not yet or just introd uced %	Not Admini stered %	Not Applic able %	Omitte d %	1. Most ly taught before this year Mean	2. Most ly taught this year Mean	3. Not yet or just introd uced Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	383	95.6	3.2	1.2	7.4	0.0	1.5	461.2	442.3	502.0	480.9	.	470.3
Italy	284	253	76.5	2.6	20.9	8.7	0.0	1.5	433.0	433.1	389.6	396.6	.	447.5
Lebanon	275	263	90.8	9.0	0.2	1.4	0.0	2.8	530.5	552.3	540.2	516.3	.	519.2
Norway	170	159	58.9	41.1	0.0	9.9	0.0	0.7	456.7	468.6	.	440.9	.	415.7
Portugal	327	315	98.9	1.1	0.0	3.9	0.0	0.0	483.3	467.4	.	461.8	.	.
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	143	99.5	0.0	0.5	0.6	0.0	1.3	460.1	.	434.0	432.2	.	459.8
Sweden	237	218	86.2	6.8	7.0	6.2	0.0	1.4	435.5	437.2	424.7	368.6	.	459.5
United States	392	310	58.7	10.9	30.4	17.9	0.0	0.0	484.3	504.3	479.8	484.3	.	534.8
International Avg (n=8)	2647	2044	83.1	9.3	7.5	7.0	0.0	1.2	468.1	472.2	461.7	447.7	.	472.4

Question: When students in this class have been taught each of the following Advanced mathematics topics. Geometry: Trigonometric properties of triangles (sine, cosine, and tangent)
 Location: TQM-21Cc (MTBM21CC)

Country	Sample	Valid N	1. Most ly taught before this year %	2. Most ly taught this year %	3. Not yet or just introd uced %	Not Admini stered %	Not Applic able %	Omitte d %	1. Most ly taught before this year Mean	2. Most ly taught this year Mean	3. Not yet or just introd uced Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	383	96.3	2.1	1.6	7.4	0.0	1.5	460.5	464.1	492.3	480.9	.	470.3
Italy	284	255	98.2	1.1	0.7	8.7	0.0	0.9	424.8	330.4	471.2	396.6	.	456.3
Lebanon	275	262	89.2	10.6	0.2	1.8	0.0	2.8	530.2	552.0	540.2	516.9	.	519.2
Norway	170	159	80.8	17.5	1.6	9.9	0.0	0.7	459.1	469.1	503.6	440.9	.	415.7
Portugal	327	315	95.2	4.8	0.0	3.9	0.0	0.0	483.5	475.1	.	461.8	.	.
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	143	99.5	0.0	0.5	0.6	0.0	1.3	460.1	.	434.0	432.2	.	459.8
Sweden	237	218	83.1	16.9	0.0	6.2	0.0	1.4	435.6	430.8	.	368.6	.	459.5
United States	392	310	93.9	6.0	0.1	17.9	0.0	0.0	487.0	456.2	431.2	484.3	.	534.8
International Avg (n=8)	2647	2045	92.0	7.4	0.6	7.0	0.0	1.1	467.6	454.0	478.7	447.8	.	473.7

Question: When students in this class have been taught each of the following Advanced mathematics topics. Geometry: Trigonometric functions and their graphs
 Location: TQM-21Cd (MTBM21CD)

Country	Sample	Valid N	1. Most ly taught before this year %	2. Most ly taught this year %	3. Not yet or just introd uced %	Not Admini stered %	Not Applic able %	Omitte d %	1. Most ly taught before this year Mean	2. Most ly taught this year Mean	3. Not yet or just introd uced Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	380	20.1	74.9	5.0	7.4	0.0	1.7	460.4	460.3	472.6	480.9	.	475.6
Italy	284	254	92.9	6.7	0.4	8.7	0.0	1.2	427.5	387.6	264.8	396.6	.	438.8
Lebanon	275	263	50.6	46.6	2.8	1.5	0.0	2.8	532.6	531.8	539.9	519.5	.	519.2
Norway	170	159	6.8	93.2	0.0	9.9	0.0	0.7	458.3	461.8	.	440.9	.	415.7
Portugal	327	315	51.2	48.8	0.0	3.9	0.0	0.0	487.5	478.4	.	461.8	.	.
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	143	97.6	1.9	0.5	0.6	0.0	1.3	461.2	405.0	434.0	432.2	.	459.8
Sweden	237	218	27.1	72.2	0.6	6.2	0.0	1.4	421.5	439.5	476.8	368.6	.	459.5
United States	392	310	93.4	5.7	0.8	17.9	0.0	0.0	486.9	466.9	414.4	484.3	.	534.8
International Avg (n=8)	2647	2042	55.0	43.7	1.3	7.0	0.0	1.1	467.0	453.9	433.8	448.1	.	471.9

Question: Do you assign mathematics homework to this class
 Location: TQM-22A (MTBM22A)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	385	100.0	0.0	7.4	0.0	1.4	461.1	.	480.9	.	466.9
Italy	284	256	98.0	2.0	8.7	0.0	0.5	424.0	447.3	396.6	.	405.0
Lebanon	275	269	92.8	7.2	1.0	0.0	1.5	531.1	543.0	524.9	.	530.4
Norway	170	159	94.1	5.9	9.9	0.0	0.7	460.6	477.1	440.9	.	415.7
Portugal	327	315	95.8	4.2	3.9	0.0	0.0	483.7	468.4	461.8	.	.
Russian Federation	390	386	100.0	0.0	1.0	0.0	0.2	483.8	.	572.7	.	482.3
Russian Federation 6hr+	174	173	100.0	0.0	3.0	0.0	0.0	540.3	.	532.9	.	.
Slovenia	147	143	96.6	3.4	0.6	0.0	1.3	459.8	464.8	432.2	.	459.8
Sweden	237	219	61.8	38.2	6.2	0.0	1.2	430.7	441.4	368.6	.	465.0
United States	392	310	98.2	1.8	17.9	0.0	0.0	485.2	482.1	484.3	.	534.8
International Avg (n=9)	2647	2442	93.0	7.0	6.3	0.0	0.8	468.9	474.9	462.6	.	470.0

Question: How often do you assign the following kinds of mathematics homework to this class. Doing problem/question sets
 Location: TQM-22Ba (MTBM22BA)

Country	Sample	Valid N	1.Alwa ys or almost always %	2.Some times %	3.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Alwa ys or almost always Mean	2.Some times Mean	3.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	384	88.1	11.6	0.3	7.4	0.0	1.5	463.1	446.5	436.1	480.9	.	471.1
Italy	284	256	92.4	5.2	0.4	8.7	2.0	0.5	427.2	371.1	376.9	396.6	447.3	405.0
Lebanon	275	265	70.6	22.1	0.0	1.0	7.3	3.1	530.6	535.1	.	524.9	543.0	515.5
Norway	170	159	87.4	5.8	0.9	9.9	5.9	0.7	461.3	442.7	509.9	440.9	477.1	415.7
Portugal	327	314	80.1	13.8	1.9	3.9	4.2	0.5	486.3	473.2	459.9	461.8	468.4	456.4
Russian Federation	390	384	96.7	3.3	0.0	1.0	0.0	0.9	482.1	516.6	.	572.7	.	545.4
Russian Federation 6hr+	174	173	94.1	5.9	0.0	3.0	0.0	0.0	539.9	547.7	.	532.9	.	.
Slovenia	147	143	94.4	2.2	0.0	0.6	3.4	1.3	462.1	363.3	.	432.2	464.8	459.8
Sweden	237	218	35.9	24.6	1.2	6.2	38.3	1.5	432.1	428.0	440.8	368.6	441.4	462.7
United States	392	310	88.1	9.7	0.4	17.9	1.8	0.0	486.9	468.0	517.8	484.3	482.1	534.8
International Avg (n=9)	2647	2433	81.5	10.9	0.6	6.3	7.0	1.1	470.2	449.4	456.9	462.6	474.9	474.0

Question: How often do you assign the following kinds of mathematics homework to this class. Reading the textbook
 Location: TQM-22Bb (MTBM22BB)

Country	Sample	Valid N	1.Always or almost always %	2.Some times %	3.Never or almost never %	Not Administered %	Not Applicable %	Omitted %	1.Always or almost always Mean	2.Some times Mean	3.Never or almost never Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	384	9.4	32.7	57.8	7.4	0.0	1.5	464.2	467.7	456.8	480.9	.	471.1
Italy	284	254	38.5	41.9	17.6	8.7	2.0	1.2	426.1	424.2	420.1	396.6	447.3	401.1
Lebanon	275	262	36.3	42.9	13.2	1.0	7.6	7.3	531.2	535.5	525.7	524.9	543.0	516.1
Norway	170	159	25.1	48.2	20.8	9.9	5.9	0.7	461.3	466.1	447.2	440.9	477.1	415.7
Portugal	327	315	18.5	44.9	32.4	3.9	4.2	0.0	481.5	480.2	489.9	461.8	468.4	.
Russian Federation	390	384	58.0	37.3	4.7	1.0	0.0	1.0	475.0	500.3	466.6	572.7	.	455.9
Russian Federation 6hr+	174	173	47.5	44.7	7.7	3.0	0.0	0.0	529.2	548.2	563.6	532.9	.	.
Slovenia	147	143	1.0	37.0	58.6	0.6	3.4	1.3	450.8	464.3	457.1	432.2	464.8	459.8
Sweden	237	216	12.5	25.3	23.5	6.2	38.7	2.3	420.6	428.7	439.2	368.6	441.4	440.4
United States	392	309	15.7	42.0	40.5	17.9	1.8	0.4	480.0	475.1	497.0	484.3	482.1	539.9
International Avg (n=9)	2647	2426	23.9	39.1	29.9	6.3	7.1	1.7	465.6	471.3	466.6	462.6	474.9	462.5

Question: How often do you assign the following kinds of mathematics homework to this class. Memorizing formulas and procedures
 Location: TQM-22Bc (MTBM22BC)

Country	Sample	Valid N	1.Alwa ys or almost always %	2.Some times %	3.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Alwa ys or almost always Mean	2.Some times Mean	3.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	384	53.8	36.2	10.0	7.4	0.0	1.5	462.0	463.1	448.2	480.9	.	471.1
Italy	284	255	10.4	60.5	27.1	8.7	2.0	0.9	407.9	426.5	424.8	396.6	447.3	409.2
Lebanon	275	264	51.0	33.3	8.3	1.0	7.3	3.2	530.8	532.6	532.7	524.9	543.0	516.6
Norway	170	159	15.1	53.7	25.3	9.9	5.9	0.7	452.0	465.0	456.5	440.9	477.1	415.7
Portugal	327	314	10.0	43.5	42.3	3.9	4.2	0.4	477.5	483.0	486.4	461.8	468.4	435.9
Russian Federation	390	383	59.8	36.6	3.6	1.0	0.0	0.9	474.2	491.8	544.4	572.7	.	537.6
Russian Federation 6hr+	174	173	40.3	50.8	8.9	3.0	0.0	0.0	524.0	545.6	583.9	532.9	.	.
Slovenia	147	143	14.3	61.9	20.4	0.6	3.4	1.3	464.7	455.4	469.6	432.2	464.8	459.8
Sweden	237	216	2.0	19.8	39.5	6.2	38.7	2.3	415.3	430.3	432.3	368.6	441.4	440.4
United States	392	310	17.4	60.4	20.4	17.9	1.8	0.0	472.0	482.9	503.2	484.3	482.1	534.8
International Avg (n=9)	2647	2428	26.0	45.1	21.9	6.3	7.0	1.2	461.8	470.1	477.6	462.6	474.9	469.0

Question: How often do you assign the following kinds of mathematics homework to this class. Gathering, analyzing, and reporting data
 Location: TQM-22Bd (MTBM22BD)

Country	Sample	Valid N	1.Alwa ys or almost always %	2.Some times %	3.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Alwa ys or almost always Mean	2.Some times Mean	3.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	384	8.7	59.1	32.2	7.4	0.0	1.5	470.0	459.6	461.4	480.9	.	471.1
Italy	284	256	14.0	43.9	40.2	8.7	2.0	0.5	396.6	419.7	438.3	396.6	447.3	405.0
Lebanon	275	264	43.3	39.5	9.9	1.0	7.3	3.2	531.2	530.6	537.6	524.9	543.0	516.6
Norway	170	159	1.2	18.0	75.0	9.9	5.9	0.7	490.3	456.5	461.1	440.9	477.1	415.7
Portugal	327	315	4.2	39.6	52.1	3.9	4.2	0.0	476.6	484.5	483.7	461.8	468.4	.
Russian Federation	390	381	18.9	70.3	10.7	1.0	0.0	1.3	484.2	483.0	483.3	572.7	.	518.1
Russian Federation 6hr+	174	172	16.3	67.7	16.0	3.0	0.0	1.0	517.3	543.1	555.3	532.9	.	490.3
Slovenia	147	143	0.0	33.4	63.3	0.6	3.4	1.3	.	456.2	461.7	432.2	464.8	459.8
Sweden	237	216	0.0	15.1	46.2	6.2	38.7	2.3	.	435.6	429.6	368.6	441.4	440.4
United States	392	310	9.4	42.5	46.3	17.9	1.8	0.0	475.4	473.1	498.2	484.3	482.1	534.8
International Avg (n=9)	2647	2428	11.1	40.2	41.8	6.3	7.0	1.2	474.9	466.5	472.8	462.6	474.9	470.2

Question: How often do you assign the following kinds of mathematics homework to this class. Finding one or more applications of the content covered
 Location: TQM-22Be (MTBM22BE)

Country	Sample	Valid N	1.Alwa ys or almost always %	2.Some times %	3.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Alwa ys or almost always Mean	2.Some times Mean	3.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	382	6.0	36.9	57.1	7.4	0.0	2.2	481.7	466.1	455.4	480.9	.	474.0
Italy	284	256	17.0	56.0	25.1	8.7	2.0	0.5	406.3	417.9	449.6	396.6	447.3	405.0
Lebanon	275	263	39.1	45.1	8.4	1.0	7.3	3.7	533.5	531.9	522.7	524.9	543.0	516.2
Norway	170	159	3.0	25.9	65.2	9.9	5.9	0.7	461.6	459.8	460.9	440.9	477.1	415.7
Portugal	327	315	9.8	48.0	38.0	3.9	4.2	0.0	474.5	483.0	487.0	461.8	468.4	.
Russian Federation	390	384	21.6	71.0	7.5	1.0	0.0	0.6	495.6	479.0	492.6	572.7	.	503.5
Russian Federation 6hr+	174	172	13.5	75.2	11.3	3.0	0.0	1.0	529.9	540.5	548.9	532.9	.	564.6
Slovenia	147	143	0.5	28.6	67.5	0.6	3.4	1.3	481.4	454.0	462.1	432.2	464.8	459.8
Sweden	237	216	2.7	21.5	37.1	6.2	38.7	2.3	450.1	426.9	432.1	368.6	441.4	440.4
United States	392	309	18.7	46.0	33.5	17.9	1.8	0.2	471.6	483.1	495.2	484.3	482.1	554.2
International Avg (n=9)	2647	2427	13.2	42.1	37.7	6.3	7.0	1.3	472.9	466.8	473.1	462.6	474.9	471.1

Question: How often do you assign the following kinds of mathematics homework to this class. Working on projects
 Location: TQM-22Bf (MTBM22BF)

Country	Sample	Valid N	1.Alwa ys or almost always %	2.Some times %	3.Neve r or almost never %	Not Admini stered %	Not Applic able %	Omitte d %	1.Alwa ys or almost always Mean	2.Some times Mean	3.Neve r or almost never Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	382	1.6	18.7	79.7	7.4	0.0	2.4	471.1	468.6	459.0	480.9	.	468.4
Italy	284	256	1.5	25.9	70.6	8.7	2.0	0.5	444.8	404.6	430.7	396.6	447.3	405.0
Lebanon	275	264	9.8	46.6	36.3	1.0	7.3	3.2	540.3	529.6	531.8	524.9	543.0	516.6
Norway	170	159	0.0	5.0	89.1	9.9	5.9	0.7	.	461.0	460.6	440.9	477.1	415.7
Portugal	327	315	0.0	12.9	83.0	3.9	4.2	0.0	.	486.2	483.3	461.8	468.4	.
Russian Federation	390	383	3.3	69.5	27.2	1.0	0.0	0.8	532.6	491.3	458.3	572.7	.	491.4
Russian Federation 6hr+	174	172	1.9	70.1	28.0	3.0	0.0	1.0	516.4	544.9	529.5	532.9	.	564.6
Slovenia	147	143	0.0	21.1	75.5	0.6	3.4	1.3	.	459.4	459.9	432.2	464.8	459.8
Sweden	237	216	0.5	17.0	43.8	6.2	38.7	2.3	487.9	429.0	431.3	368.6	441.4	440.4
United States	392	309	2.7	60.4	35.1	17.9	1.8	0.4	458.4	479.5	496.4	484.3	482.1	539.9
International Avg (n=9)	2647	2427	2.2	30.8	60.0	6.3	7.0	1.3	489.2	467.7	467.9	462.6	474.9	467.1

Question: How often do you do the following with the mathematics homework assignments for this class. Correct assignments and give feedback to students
 Location: TQM-22Ca (MTBM22CA)

Country	Sample	Valid N	1.Always or almost always %	2.Some times %	3.Never or almost never %	Not Administered %	Not Applicable %	Omitted %	1.Always or almost always Mean	2.Some times Mean	3.Never or almost never Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	382	80.9	16.6	2.5	7.4	0.0	1.8	459.6	473.8	422.4	480.9	.	470.4
Italy	284	256	78.6	16.3	3.1	8.7	2.0	0.5	419.5	429.4	512.3	396.6	447.3	405.0
Lebanon	275	265	69.0	22.3	1.4	1.0	7.3	3.1	531.6	528.8	577.6	524.9	543.0	515.5
Norway	170	159	5.1	35.9	53.1	9.9	5.9	0.7	475.3	464.7	456.5	440.9	477.1	415.7
Portugal	327	315	63.7	26.0	6.1	3.9	4.2	0.0	482.9	484.1	490.4	461.8	468.4	.
Russian Federation	390	383	45.3	51.8	3.0	1.0	0.0	0.5	490.2	477.8	491.0	572.7	.	474.9
Russian Federation 6hr+	174	171	47.9	48.2	4.0	3.0	0.0	0.3	527.8	550.1	578.2	532.9	.	454.1
Slovenia	147	143	16.2	52.0	28.3	0.6	3.4	1.3	430.2	455.1	485.5	432.2	464.8	459.8
Sweden	237	217	7.9	29.6	24.1	6.2	38.4	1.7	423.4	430.4	433.5	368.6	441.4	457.6
United States	392	309	41.1	45.5	11.6	17.9	1.8	0.4	484.8	482.8	493.5	484.3	482.1	539.9
International Avg (n=9)	2647	2429	45.3	32.9	14.8	6.3	7.0	1.1	466.4	469.6	484.7	462.6	474.9	467.3

Question: How often do you do the following with the mathematics homework assignments for this class. Have students correct their own homework
 Location: TQM-22Cb (MTBM22CB)

Country	Sample	Valid N	1.Always or almost always %	2.Some times %	3.Never or almost never %	Not Administered %	Not Applicable %	Omitted %	1.Always or almost always Mean	2.Some times Mean	3.Never or almost never Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	382	16.3	36.6	47.1	7.4	0.0	1.6	475.9	460.2	456.4	480.9	.	474.5
Italy	284	256	44.4	41.2	12.4	8.7	2.0	0.5	414.2	430.7	436.8	396.6	447.3	405.0
Lebanon	275	264	34.0	37.7	21.0	1.0	7.3	3.3	535.7	531.3	526.3	524.9	543.0	512.8
Norway	170	159	12.7	36.2	45.2	9.9	5.9	0.7	454.7	459.1	463.5	440.9	477.1	415.7
Portugal	327	314	22.9	40.3	32.6	3.9	4.2	0.0	479.4	486.3	483.5	461.8	468.4	537.4
Russian Federation	390	382	21.4	71.2	7.4	1.0	0.0	0.7	488.8	478.1	522.7	572.7	.	497.5
Russian Federation 6hr+	174	170	19.7	62.6	17.8	3.0	0.0	1.4	522.5	544.1	547.5	532.9	.	531.5
Slovenia	147	143	25.3	32.2	39.1	0.6	3.4	1.3	486.1	448.7	451.9	432.2	464.8	459.8
Sweden	237	218	15.6	25.1	21.0	6.2	38.3	1.5	424.3	428.8	437.5	368.6	441.4	462.7
United States	392	309	54.3	33.2	10.6	17.9	1.8	0.4	487.7	481.1	482.7	484.3	482.1	539.9
International Avg (n=9)	2647	2427	27.4	39.3	26.3	6.3	7.0	1.1	471.9	467.1	473.5	462.6	474.9	478.4

Question: How often do you do the following with the mathematics homework assignments for this class. Discuss the homework in class
 Location: TQM-22Cc (MTBM22CC)

Country	Sample	Valid N	1.Always or almost always %	2.Some times %	3.Never or almost never %	Not Administered %	Not Applicable %	Omitted %	1.Always or almost always Mean	2.Some times Mean	3.Never or almost never Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	383	53.0	40.5	6.5	7.4	0.0	1.5	465.9	454.5	462.9	480.9	.	470.9
Italy	284	256	82.9	15.2	0.0	8.7	2.0	0.5	422.3	433.6	.	396.6	447.3	405.0
Lebanon	275	264	74.1	18.1	0.5	1.0	7.3	3.8	534.2	521.9	479.1	524.9	543.0	522.8
Norway	170	159	44.4	42.5	7.3	9.9	5.9	0.7	468.9	452.7	456.3	440.9	477.1	415.7
Portugal	327	315	54.6	35.3	6.0	3.9	4.2	0.0	484.7	483.3	477.1	461.8	468.4	.
Russian Federation	390	384	65.3	34.1	0.6	1.0	0.0	0.8	487.7	478.4	437.5	572.7	.	417.1
Russian Federation 6hr+	174	173	74.8	25.2	0.0	3.0	0.0	0.0	539.0	544.1	.	532.9	.	.
Slovenia	147	143	62.1	33.6	0.9	0.6	3.4	1.3	460.1	459.8	438.7	432.2	464.8	459.8
Sweden	237	218	18.7	34.5	8.4	6.2	38.3	1.5	432.4	429.8	429.7	368.6	441.4	462.7
United States	392	309	76.7	19.7	1.7	17.9	1.8	0.4	483.7	487.6	505.9	484.3	482.1	539.9
International Avg (n=9)	2647	2431	59.1	30.4	3.6	6.3	7.0	1.2	471.1	466.8	460.9	462.6	474.9	461.7

Question: How often do you do the following with the mathematics homework assignments for this class. Monitor whether or not the homework was completed
 Location: TQM-22Cd (MTBM22CD)

Country	Sample	Valid N	1.Always or almost always %	2.Some times %	3.Never or almost never %	Not Administered %	Not Applicable %	Omitted %	1.Always or almost always Mean	2.Some times Mean	3.Never or almost never Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	382	37.3	50.9	11.8	7.4	0.0	1.9	460.5	463.1	456.0	480.9	.	459.2
Italy	284	256	28.4	47.1	22.6	8.7	2.0	0.5	389.1	417.5	481.3	396.6	447.3	405.0
Lebanon	275	265	51.4	39.2	2.1	1.0	7.3	3.1	538.1	523.6	524.6	524.9	543.0	515.5
Norway	170	159	8.3	52.0	33.8	9.9	5.9	0.7	490.1	452.6	465.6	440.9	477.1	415.7
Portugal	327	315	37.4	45.5	12.9	3.9	4.2	0.0	479.3	489.0	477.8	461.8	468.4	.
Russian Federation	390	385	74.9	24.9	0.1	1.0	0.0	0.4	483.0	485.5	577.2	572.7	.	477.4
Russian Federation 6hr+	174	173	72.5	26.7	0.8	3.0	0.0	0.0	541.7	535.6	577.2	532.9	.	.
Slovenia	147	143	54.5	39.7	2.4	0.6	3.4	1.3	454.0	465.9	492.1	432.2	464.8	459.8
Sweden	237	218	12.4	23.4	25.9	6.2	38.3	1.5	412.0	434.3	436.2	368.6	441.4	462.7
United States	392	309	70.8	23.2	4.2	17.9	1.8	0.4	485.9	478.6	503.4	484.3	482.1	539.9
International Avg (n=9)	2647	2432	41.7	38.4	12.9	6.3	7.0	1.1	465.8	467.8	490.5	462.6	474.9	466.9

Question: How often do you do the following with the mathematics homework assignments for this class. Use the homework to contribute towards students' grades or marks

Location: TQM-22Ce (MTBM22CE)

Country	Sample	Valid N	1.Always or almost always %	2.Some times %	3.Never or almost never %	Not Administered %	Not Applicable %	Omitted %	1.Always or almost always Mean	2.Some times Mean	3.Never or almost never Mean	Not Administered Mean	Not Applicable Mean	Omitted Mean
France	425	382	40.2	39.0	20.8	7.4	0.0	1.6	451.6	465.6	470.5	480.9	.	474.5
Italy	284	256	7.3	22.2	68.5	8.7	2.0	0.5	396.0	380.7	441.1	396.6	447.3	405.0
Lebanon	275	265	28.9	45.0	18.8	1.0	7.3	3.1	539.8	525.9	532.9	524.9	543.0	515.5
Norway	170	159	1.4	9.7	83.1	9.9	5.9	0.7	482.1	450.8	461.4	440.9	477.1	415.7
Portugal	327	315	39.0	31.8	25.1	3.9	4.2	0.0	478.3	484.8	490.8	461.8	468.4	.
Russian Federation	390	385	7.2	70.1	22.8	1.0	0.0	0.4	511.8	486.5	466.7	572.7	.	477.4
Russian Federation 6hr+	174	173	8.3	69.9	21.8	3.0	0.0	0.0	581.3	539.2	528.4	532.9	.	.
Slovenia	147	143	14.7	31.4	50.5	0.6	3.4	1.3	457.9	460.6	459.9	432.2	464.8	459.8
Sweden	237	218	0.4	11.2	50.0	6.2	38.3	1.5	365.5	413.2	435.0	368.6	441.4	462.7
United States	392	309	70.8	18.1	9.3	17.9	1.8	0.4	481.0	491.2	502.6	484.3	482.1	539.9
International Avg (n=9)	2647	2432	23.3	30.9	38.8	6.3	7.0	1.1	462.7	462.1	473.4	462.6	474.9	468.8

Question: In the past two years, have you participated in professional development in any of the following. Mathematics content
 Location: TQM-23a (MTBM23A)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	395	32.9	67.1	6.3	0.0	0.9	462.7	461.1	478.7	.	456.9
Italy	284	254	41.2	58.8	8.4	0.0	1.4	446.8	408.3	401.3	.	403.6
Lebanon	275	267	46.9	53.1	1.0	0.0	1.5	535.6	529.4	524.9	.	505.0
Norway	170	159	17.6	82.4	9.9	0.0	0.7	466.4	460.6	440.9	.	415.7
Portugal	327	321	77.0	23.0	2.2	0.0	0.3	481.8	483.6	476.4	.	532.2
Russian Federation	390	379	73.5	26.5	1.0	0.0	2.5	489.0	474.3	572.7	.	431.8
Russian Federation 6hr+	174	171	65.2	34.8	3.0	0.0	1.2	543.3	535.7	532.9	.	512.2
Slovenia	147	144	72.3	27.7	0.0	0.0	1.3	460.5	458.1	.	.	459.8
Sweden	237	217	40.5	59.5	6.2	0.0	1.7	437.1	435.4	368.6	.	389.7
United States	392	309	65.7	34.3	17.9	0.0	0.2	483.5	489.0	484.3	.	400.6
International Avg (n=9)	2647	2445	52.0	48.0	5.9	0.0	1.2	473.7	466.6	468.5	.	443.9

Question: In the past two years, have you participated in professional development in any of the following. Mathematics pedagogy/instruction
 Location: TQM-23b (MTBM23B)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	394	35.6	64.4	6.3	0.0	0.9	461.3	461.7	478.7	.	464.0
Italy	284	256	50.4	49.6	8.4	0.0	0.8	442.3	405.6	401.3	.	392.8
Lebanon	275	266	53.8	46.2	1.0	0.0	1.6	535.8	528.3	524.9	.	506.3
Norway	170	158	19.9	80.1	9.9	0.0	0.8	468.8	459.8	440.9	.	418.5
Portugal	327	321	55.2	44.8	2.2	0.0	0.3	479.5	485.6	476.4	.	532.2
Russian Federation	390	380	79.4	20.6	1.0	0.0	2.4	484.7	486.3	572.7	.	430.2
Russian Federation 6hr+	174	172	76.5	23.5	3.0	0.0	0.2	541.9	534.3	532.9	.	625.3
Slovenia	147	144	39.3	60.7	0.0	0.0	1.3	457.3	461.4	.	.	459.8
Sweden	237	218	66.9	33.1	6.2	0.0	0.6	437.1	431.6	368.6	.	421.6
United States	392	309	64.8	35.2	17.9	0.0	0.2	487.9	480.6	484.3	.	400.6
International Avg (n=9)	2647	2446	51.7	48.3	5.9	0.0	1.0	472.8	466.8	468.5	.	447.3

Question: In the past two years, have you participated in professional development in any of the following. Mathematics curriculum
 Location: TQM-23c (MTBM23C)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	394	27.5	72.5	6.3	0.0	0.9	457.1	463.2	478.7	.	464.0
Italy	284	252	28.5	71.5	8.4	0.0	2.7	462.8	410.4	401.3	.	374.8
Lebanon	275	267	41.5	58.5	1.0	0.0	1.4	535.8	530.0	524.9	.	499.1
Norway	170	159	26.2	73.8	9.9	0.0	0.7	465.8	460.1	440.9	.	415.7
Portugal	327	321	70.5	29.5	2.2	0.0	0.4	481.9	483.9	476.4	.	455.7
Russian Federation	390	379	78.0	22.0	1.0	0.0	2.5	483.3	491.3	572.7	.	431.8
Russian Federation 6hr+	174	172	67.9	32.1	3.0	0.0	0.2	530.6	560.4	532.9	.	625.3
Slovenia	147	143	23.9	76.1	0.0	0.0	2.9	461.8	459.5	.	.	450.4
Sweden	237	215	37.9	62.1	6.2	0.0	2.9	434.0	436.0	368.6	.	433.8
United States	392	309	69.6	30.4	17.9	0.0	0.2	483.7	489.1	484.3	.	400.6
International Avg (n=9)	2647	2439	44.8	55.2	5.9	0.0	1.6	474.0	469.3	468.5	.	436.2

Question: In the past two years, have you participated in professional development in any of the following. Integrating information technology into mathematics
 Location: TQM-23d (MTBM23D)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	394	32.2	67.8	6.3	0.0	0.9	461.3	461.7	478.7	.	464.0
Italy	284	256	47.6	52.4	8.4	0.0	0.8	429.3	419.4	401.3	.	392.8
Lebanon	275	266	55.3	44.7	1.0	0.0	2.1	538.5	523.6	524.9	.	536.7
Norway	170	159	49.4	50.6	9.9	0.0	0.7	462.6	460.6	440.9	.	415.7
Portugal	327	321	55.8	44.2	2.2	0.0	0.3	480.3	484.7	476.4	.	532.2
Russian Federation	390	380	71.4	28.6	1.0	0.0	2.4	480.0	497.6	572.7	.	430.2
Russian Federation 6hr+	174	172	66.2	33.8	3.0	0.0	0.2	532.8	554.5	532.9	.	625.3
Slovenia	147	144	64.7	35.3	0.0	0.0	1.3	464.0	452.1	.	.	459.8
Sweden	237	217	36.6	63.4	6.2	0.0	1.4	430.7	437.3	368.6	.	456.3
United States	392	308	55.7	44.3	17.9	0.0	0.4	479.6	492.6	484.3	.	443.0
International Avg (n=9)	2647	2445	52.1	47.9	5.9	0.0	1.1	469.6	470.0	468.5	.	459.0

Question: In the past two years, have you participated in professional development in any of the following. Improving students' critical thinking
 or problem solving skills

Location: TQM-23e (MTBM23E)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	394	11.5	88.5	6.3	0.0	0.9	462.9	461.4	478.7	.	464.0
Italy	284	256	11.9	88.1	8.4	0.0	0.8	398.2	427.6	401.3	.	391.6
Lebanon	275	265	49.1	50.9	1.0	0.0	2.3	540.5	523.5	524.9	.	536.8
Norway	170	159	5.1	94.9	9.9	0.0	0.7	479.6	460.6	440.9	.	415.7
Portugal	327	321	14.0	86.0	2.2	0.0	0.2	486.0	481.7	476.4	.	547.2
Russian Federation	390	379	41.5	58.5	1.0	0.0	2.5	485.9	483.8	572.7	.	447.9
Russian Federation 6hr+	174	172	41.1	58.9	3.0	0.0	0.2	559.0	527.0	532.9	.	625.3
Slovenia	147	144	38.0	62.0	0.0	0.0	1.3	465.5	456.3	.	.	459.8
Sweden	237	218	40.6	59.4	6.2	0.0	0.6	434.1	436.1	368.6	.	421.6
United States	392	309	56.3	43.7	17.9	0.0	0.2	484.3	486.8	484.3	.	400.6
International Avg (n=9)	2647	2445	29.8	70.2	5.9	0.0	1.1	470.8	468.6	468.5	.	453.9

Question: In the past two years, have you participated in professional development in any of the following. Mathematics assessment
 Location: TQM-23f (MTBM23F)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	394	15.5	84.5	6.3	0.0	0.9	452.9	463.1	478.7	.	464.0
Italy	284	257	17.0	83.0	8.4	0.0	0.5	422.6	424.8	401.3	.	313.8
Lebanon	275	268	50.1	49.9	1.0	0.0	1.4	536.0	528.7	524.9	.	501.3
Norway	170	159	28.1	71.9	9.9	0.0	0.7	467.2	459.4	440.9	.	415.7
Portugal	327	321	32.9	67.1	2.2	0.0	0.3	480.9	482.9	476.4	.	532.2
Russian Federation	390	378	55.6	44.4	1.0	0.0	2.9	489.5	479.2	572.7	.	443.7
Russian Federation 6hr+	174	172	54.4	45.6	3.0	0.0	0.2	536.6	544.4	532.9	.	625.3
Slovenia	147	144	21.8	78.2	0.0	0.0	1.3	458.2	460.2	.	.	459.8
Sweden	237	216	65.9	34.1	6.2	0.0	1.3	433.0	439.9	368.6	.	423.1
United States	392	309	46.7	53.3	17.9	0.0	0.2	484.4	486.2	484.3	.	400.6
International Avg (n=9)	2647	2446	37.1	62.9	5.9	0.0	1.0	469.4	469.4	468.5	.	439.3

Question: In the past two years, have you participated in professional development in any of the following. Addressing individual students' needs
 Location: TQM-23g (MTBM23G)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	394	12.5	87.5	6.3	0.0	0.9	463.2	461.3	478.7	.	464.0
Italy	284	256	18.5	81.5	8.4	0.0	0.8	410.7	427.2	401.3	.	391.6
Lebanon	275	266	41.9	58.1	1.0	0.0	1.7	541.0	526.2	524.9	.	506.4
Norway	170	159	8.8	91.2	9.9	0.0	0.7	455.5	462.2	440.9	.	415.7
Portugal	327	321	10.0	90.0	2.2	0.0	0.3	463.4	484.3	476.4	.	532.2
Russian Federation	390	379	48.8	51.2	1.0	0.0	2.5	486.2	483.8	572.7	.	438.1
Russian Federation 6hr+	174	172	46.4	53.6	3.0	0.0	0.2	537.0	542.9	532.9	.	625.3
Slovenia	147	144	17.1	82.9	0.0	0.0	1.3	457.8	460.2	.	.	459.8
Sweden	237	219	18.6	81.4	6.2	0.0	0.5	419.3	438.9	368.6	.	417.2
United States	392	308	53.3	46.7	17.9	0.0	0.6	482.0	488.6	484.3	.	487.2
International Avg (n=9)	2647	2446	25.5	74.5	5.9	0.0	1.0	464.4	470.3	468.5	.	456.9

Question: In the past two years, how many hours in total have you spent in formal <in-service/professional development> (e.g., workshops, seminars, etc.) for mathematics

Location: TQM-24 (MTBM24)

Country	Sample	Valid N	1.None %	2.Less than 6 hours %	3.6-15 hours %	4.16-3 5 hours %	5.More than 35 hours %	Not Admini stered %	Not Applic able %	Omitte d %
France	425	392	31.0	21.8	25.8	14.2	7.3	6.4	0.0	1.4
Italy	284	254	18.3	9.0	26.6	25.6	20.4	8.4	0.0	1.5
Lebanon	275	260	32.9	11.4	25.4	16.4	13.9	1.0	0.0	4.1
Norway	170	159	15.9	17.2	41.3	19.6	6.0	9.9	0.0	0.7
Portugal	327	312	4.3	2.5	8.9	29.2	55.0	2.4	0.0	0.8
Russian Federation	390	378	0.0	3.5	11.6	14.1	70.8	1.0	0.0	2.3
Russian Federation 6hr+	174	171	0.1	3.3	5.2	12.9	78.5	3.0	0.0	0.6
Slovenia	147	144	15.3	19.1	31.7	23.7	10.2	0.0	0.0	1.3
Sweden	237	217	19.4	13.7	23.1	18.0	25.8	6.2	0.0	1.6
United States	392	307	6.7	18.2	21.7	32.9	20.4	17.9	0.0	0.8
International Avg (n=9)	2647	2423	16.0	12.9	24.0	21.5	25.5	5.9	0.0	1.6

Question: In the past two years, how many hours in total have you spent in formal <in-service/professional development> (e.g., workshops, seminars, etc.) for mathematics

Location: TQM-24 (MTBM24)

Country	Sample	Valid N	1.None Mean	2.Less than 6 hours Mean	3.6-15 hours Mean	4.16-3 5 hours Mean	5.More than 35 hours Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	392	460.4	469.1	458.7	457.5	460.5	479.0	.	467.5
Italy	284	254	395.1	414.8	412.2	456.9	428.0	401.3	.	413.5
Lebanon	275	260	519.8	551.2	528.0	551.2	534.4	524.9	.	515.7
Norway	170	159	470.7	451.5	459.7	465.3	467.1	440.9	.	415.7
Portugal	327	312	500.1	486.6	497.6	479.7	479.3	481.8	.	500.6
Russian Federation	390	378	515.6	479.1	458.8	492.7	486.0	572.7	.	490.2
Russian Federation 6hr+	174	171	515.6	481.4	541.0	516.8	546.2	532.9	.	596.6
Slovenia	147	144	436.9	448.8	469.3	457.6	490.3	.	.	459.8
Sweden	237	217	443.6	428.0	439.2	428.6	431.5	368.6	.	468.2
United States	392	307	516.0	470.0	478.2	489.2	488.6	484.3	.	500.3
International Avg (n=9)	2647	2423	473.1	466.6	466.8	475.4	474.0	469.2	.	470.2

Question: By the end of this school year, how many years will you have taught mathematics at the advanced level
 Location: TQM-25 (MTBM25)

Country	Sample	Valid N	Not Adm. %	Not App. %	Omitt ed %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
France	425	392	6.3	0.0	1.6	9.3	10.0	0.0	1.0	2.0	4.0	8.0	12.0	20.0	24.0	37.0
Italy	284	248	8.1	0.0	4.0	16.7	15.0	0.0	2.0	5.0	9.0	16.0	25.0	29.0	30.0	38.0
Lebanon	275	244	1.0	0.0	7.6	19.7	10.0	1.0	3.0	5.0	10.0	19.0	28.0	36.0	40.0	50.0
Norway	170	156	9.9	0.0	1.4	13.4	5.0	1.0	2.0	2.0	5.0	10.0	21.0	31.0	34.0	41.0
Portugal	327	315	2.2	0.0	1.5	10.4	10.0	1.0	1.0	2.0	4.0	10.0	15.0	20.0	25.0	31.0
Russian Federation	390	383	1.0	0.0	0.6	9.1	2.0	0.0	2.0	2.0	3.0	6.0	13.0	20.0	25.0	53.0
Russian Federation 6hr+	174	171	3.0	0.0	0.8	14.1	20.0	1.0	2.0	3.0	8.0	14.0	20.0	25.0	28.0	53.0
Slovenia	147	143	0.0	0.0	2.5	17.6	20.0	2.0	4.0	8.0	13.0	20.0	21.0	25.0	30.0	39.0
Sweden	237	211	6.2	0.0	4.0	12.9	2.0	1.0	1.0	2.0	5.0	10.0	18.0	30.0	35.0	43.0
United States	392	308	17.9	0.0	0.5	12.6	10.0	0.0	1.0	2.0	5.0	10.0	17.0	31.0	33.0	43.0
International Avg (n=9)	2647	2400	5.9	0.0	2.6	13.5	9.3	0.7	1.9	3.3	6.4	12.1	18.9	26.9	30.7	41.7

Question: Are you a member of <professional organization for mathematics teachers
 Location: TQM-26A (MTBM26A)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	394	13.2	86.8	6.3	0.0	0.9	466.1	460.9	478.7	.	459.1
Italy	284	256	16.0	84.0	8.4	0.0	0.8	434.9	422.3	401.3	.	370.2
Lebanon	275	266	22.0	78.0	1.6	0.0	0.7	531.8	532.4	507.8	.	529.9
Norway	170	159	9.3	90.7	9.9	0.0	0.7	455.0	462.3	440.9	.	415.7
Portugal	327	321	31.9	68.1	2.2	0.0	0.6	481.7	482.8	476.4	.	469.8
Russian Federation	390	383	36.9	63.1	1.0	0.0	1.0	496.4	477.4	572.7	.	422.1
Russian Federation 6hr+	174	173	51.8	48.2	3.0	0.0	0.0	558.5	520.8	532.9	.	.
Slovenia	147	144	36.9	63.1	0.0	0.0	1.3	476.9	449.8	.	.	459.8
Sweden	237	218	8.9	91.1	6.2	0.0	1.5	437.3	435.8	368.6	.	389.4
United States	392	308	28.2	71.8	17.9	0.0	0.6	492.5	482.2	484.3	.	487.2
International Avg (n=9)	2647	2449	22.6	77.4	5.9	0.0	0.9	474.7	467.3	466.3	.	444.8

Question: In the past two years, have you regularly participated in activities sponsored by <professional organization for mathematics teachers>
 Location: TQM-26B (MTBM26B)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	392	7.4	92.6	6.3	0.0	1.3	461.4	461.5	478.7	.	466.0
Italy	284	254	19.2	80.8	8.4	0.0	2.0	444.7	418.0	401.3	.	455.9
Lebanon	275	259	26.4	73.6	1.6	0.0	3.8	541.9	529.0	507.8	.	528.2
Norway	170	159	2.5	97.5	9.9	0.0	0.7	448.6	461.9	440.9	.	415.7
Portugal	327	321	30.1	69.9	2.2	0.0	1.4	488.3	480.8	476.4	.	437.2
Russian Federation	390	380	35.6	64.4	1.0	0.0	1.2	493.1	479.3	572.7	.	448.8
Russian Federation 6hr+	174	173	51.3	48.7	3.0	0.0	0.0	550.9	529.1	532.9	.	.
Slovenia	147	144	46.2	53.8	0.0	0.0	1.3	454.5	464.4	.	.	459.8
Sweden	237	218	2.5	97.5	6.2	0.0	1.5	420.8	436.3	368.6	.	389.4
United States	392	307	17.8	82.2	17.9	0.0	0.7	476.3	486.9	484.3	.	502.3
International Avg (n=9)	2647	2434	20.9	79.1	5.9	0.0	1.6	469.9	468.7	466.3	.	455.9

Question: In the past two years, have you taken part in any of the following activities in mathematics. I attended a workshop or conference
 Location: TQM-27a (MTBM27A)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	392	43.4	56.6	6.4	0.0	1.4	466.4	457.7	479.0	.	467.5
Italy	284	256	71.1	28.9	8.4	0.0	0.8	437.9	390.1	401.3	.	392.8
Lebanon	275	271	53.3	46.7	1.0	0.0	0.3	544.1	518.3	524.9	.	502.2
Norway	170	159	70.9	29.1	9.9	0.0	0.7	466.0	450.9	440.9	.	415.7
Portugal	327	321	59.4	40.6	2.2	0.0	0.2	482.7	481.3	476.4	.	648.0
Russian Federation	390	384	87.6	12.4	1.0	0.0	0.8	489.3	442.9	572.7	.	514.6
Russian Federation 6hr+	174	173	87.2	12.8	3.0	0.0	0.0	546.6	497.7	532.9	.	.
Slovenia	147	144	69.2	30.8	0.0	0.0	1.3	459.9	459.5	.	.	459.8
Sweden	237	219	59.4	40.6	6.2	0.0	0.7	429.4	443.8	368.6	.	425.3
United States	392	309	74.0	26.0	17.9	0.0	0.2	484.8	487.0	484.3	.	400.6
International Avg (n=9)	2647	2455	65.4	34.6	5.9	0.0	0.7	473.4	459.1	468.5	.	469.6

Question: In the past two years, have you taken part in any of the following activities in mathematics. I gave a presentation at a workshop or conference
 Location: TQM-27b (MTBM27B)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	393	11.5	88.5	6.4	0.0	1.4	459.4	461.8	479.0	.	463.1
Italy	284	256	8.4	91.6	8.4	0.0	0.8	452.8	421.3	401.3	.	406.7
Lebanon	275	270	23.8	76.2	1.0	0.0	0.4	535.2	531.1	524.9	.	493.9
Norway	170	159	13.7	86.3	9.9	0.0	0.7	458.0	462.2	440.9	.	415.7
Portugal	327	322	4.9	95.1	2.2	0.0	0.0	474.3	482.8	476.4	.	.
Russian Federation	390	385	53.4	46.6	1.0	0.0	0.4	497.4	468.2	572.7	.	477.4
Russian Federation 6hr+	174	173	67.2	32.8	3.0	0.0	0.0	549.0	522.5	532.9	.	.
Slovenia	147	144	14.6	85.4	0.0	0.0	1.3	478.0	456.7	.	.	459.8
Sweden	237	220	10.9	89.1	6.2	0.0	0.2	441.9	434.3	368.6	.	450.0
United States	392	309	15.7	84.3	17.9	0.0	0.2	484.7	485.5	484.3	.	400.6
International Avg (n=9)	2647	2458	17.4	82.6	5.9	0.0	0.6	475.8	467.1	468.5	.	445.9

Question: In the past two years, have you taken part in any of the following activities in mathematics. I took part in an innovative project
 for curriculum and instruction

Location: TQM-27c (MTBM27C)

Country	Sample	Valid N	1.Yes %	2.No %	Not Admini stered %	Not Applic able %	Omitte d %	1.Yes Mean	2.No Mean	Not Admini stered Mean	Not Applic able Mean	Omitte d Mean
France	425	392	14.1	85.9	6.4	0.0	1.4	459.7	461.8	479.0	.	467.5
Italy	284	256	29.3	70.7	8.4	0.0	0.8	428.2	422.2	401.3	.	406.7
Lebanon	275	270	29.4	70.6	1.0	0.0	0.4	528.8	533.5	524.9	.	493.9
Norway	170	159	21.4	78.6	9.9	0.0	0.7	461.3	461.7	440.9	.	415.7
Portugal	327	321	14.2	85.8	2.2	0.0	0.3	478.4	482.9	476.4	.	532.2
Russian Federation	390	384	32.6	67.4	1.0	0.0	0.8	497.6	476.7	572.7	.	514.6
Russian Federation 6hr+	174	173	36.2	63.8	3.0	0.0	0.0	558.1	530.2	532.9	.	.
Slovenia	147	144	30.3	69.7	0.0	0.0	1.3	466.1	457.0	.	.	459.8
Sweden	237	217	34.1	65.9	6.2	0.0	1.1	432.0	437.1	368.6	.	423.0
United States	392	309	27.0	73.0	17.9	0.0	0.2	470.7	490.8	484.3	.	400.6
International Avg (n=9)	2647	2452	25.8	74.2	5.9	0.0	0.8	469.2	469.3	468.5	.	457.1

Question: Teachers Majored in Mathematics and Mathematics Education
 Location: Derived (MTDG05)

Country	Sample	Valid N	1. Math and math ed %	2. Math but not math ed %	3. Math ed but not math %	4. All other majors %	5. No tertia ry ed %	Missin g %	Not admini stered %	Not applic able %
France	425	396	31.7	67.5	0.4	0.3	0.0	6.8	0.0	0.0
Italy	284	252	48.8	41.0	1.1	9.1	0.0	10.5	0.0	0.0
Lebanon	275	244	61.0	33.0	1.4	4.7	0.0	10.0	0.0	0.0
Norway	170	159	18.2	79.9	0.0	1.8	0.0	10.0	0.0	0.0
Portugal	327	315	75.8	19.1	3.2	1.9	0.0	4.0	0.0	0.0
Russian Federation	390	383	60.4	38.7	0.0	0.9	0.0	1.9	0.0	0.0
Russian Federation 6hr+	174	170	69.2	30.3	0.0	0.5	0.0	4.7	0.0	0.0
Slovenia	147	147	56.1	29.3	12.8	1.8	0.0	0.0	0.0	0.0
Sweden	237	214	71.3	20.3	6.7	1.7	0.0	8.2	0.0	0.0
United States	392	310	57.6	21.7	11.4	9.3	0.0	18.0	0.0	0.0
International Avg (n=9)	2647	2420	53.4	38.9	4.1	3.5	0.0	7.7	0.0	0.0

Question: Teachers Majored in Mathematics and Mathematics Education
 Location: Derived (MTDG05)

Country	Sample	Valid N	1. Math and math ed Mean	2. Math but not math ed Mean	3. Math ed but not math Mean	4. All other majors Mean	5. No tertia ry ed Mean	Missin g Mean	Not admini stered Mean	Not applic able Mean
France	425	396	464.9	459.8	446.0	467.7	.	479.9	.	.
Italy	284	252	416.8	443.9	329.2	378.9	.	408.6	.	.
Lebanon	275	244	533.5	538.0	484.2	513.6	.	518.0	.	.
Norway	170	159	465.6	460.7	.	443.4	.	441.0	.	.
Portugal	327	315	480.0	489.0	495.5	471.9	.	487.5	.	.
Russian Federation	390	383	492.1	468.1	.	482.2	.	582.6	.	.
Russian Federation 6hr+	174	170	554.7	504.7	.	629.3	.	543.5	.	.
Slovenia	147	147	465.0	451.7	457.6	444.0	.	.	.	.
Sweden	237	214	439.7	425.9	436.9	425.2	.	370.7	.	.
United States	392	310	477.6	500.3	497.1	481.7	.	484.4	.	.
International Avg (n=9)	2647	2420	470.6	470.8	449.5	456.5	.	471.6	.	.

Question: Percentage of Students Taught Algebra Topics
 Location: Derived (MTDM21AL)

Country	Sample	Valid N	Not Adm. %	Not App. %	Omitt ed %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
France	425	384	0.0	0.0	8.5	98.0	100.0	0.0	87.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Italy	284	256	0.0	0.0	9.2	88.9	100.0	62.5	75.0	75.0	75.0	87.5	100.0	100.0	100.0	100.0
Lebanon	275	259	0.0	0.0	5.6	98.1	100.0	62.5	87.5	87.5	100.0	100.0	100.0	100.0	100.0	100.0
Norway	170	159	0.0	0.0	10.6	84.5	87.5	25.0	75.0	75.0	87.5	87.5	87.5	87.5	100.0	100.0
Portugal	327	315	0.0	0.0	3.9	92.8	100.0	75.0	75.0	87.5	87.5	100.0	100.0	100.0	100.0	100.0
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	144	0.0	0.0	1.5	99.2	100.0	37.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sweden	237	218	0.0	0.0	7.6	90.2	87.5	75.0	75.0	75.0	87.5	87.5	100.0	100.0	100.0	100.0
United States	392	310	0.0	0.0	18.0	98.1	100.0	37.5	87.5	87.5	100.0	100.0	100.0	100.0	100.0	100.0
International Avg (n=8)	2647	2045	0.0	0.0	8.1	93.7	96.9	46.9	82.8	85.9	92.2	95.3	98.4	98.4	100.0	100.0

Question: Percentage of Students Taught Calculus Topics
 Location: Derived (MTDM21CA)

Country	Sample	Valid N	Not Adm. %	Not App. %	Omitt ed %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
France	425	383	0.0	0.0	8.8	84.9	85.7	0.0	71.4	71.4	85.7	85.7	85.7	100.0	100.0	100.0
Italy	284	255	0.0	0.0	9.6	93.7	100.0	42.9	71.4	85.7	85.7	100.0	100.0	100.0	100.0	100.0
Lebanon	275	261	0.0	0.0	5.0	98.3	100.0	0.0	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Norway	170	159	0.0	0.0	10.6	97.7	100.0	14.3	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Portugal	327	315	0.0	0.0	3.9	85.0	85.7	42.9	83.3	85.7	85.7	85.7	85.7	85.7	85.7	100.0
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	143	0.0	0.0	1.9	88.2	100.0	0.0	57.1	57.1	85.7	100.0	100.0	100.0	100.0	100.0
Sweden	237	217	0.0	0.0	8.0	96.1	100.0	57.1	85.7	85.7	100.0	100.0	100.0	100.0	100.0	100.0
United States	392	310	0.0	0.0	18.0	95.8	100.0	0.0	85.7	85.7	100.0	100.0	100.0	100.0	100.0	100.0
International Avg (n=8)	2647	2043	0.0	0.0	8.2	92.5	96.4	19.6	78.3	83.9	92.9	96.4	96.4	98.2	98.2	100.0

Question: Percentage of Students Taught Geometry Topics
 Location: Derived (MTDM21GE)

Country	Sample	Valid N	Not Adm. %	Not App. %	Omitt ed %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
France	425	383	0.0	0.0	8.9	97.0	100.0	0.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Italy	284	254	0.0	0.0	9.9	91.8	100.0	50.0	50.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0
Lebanon	275	262	0.0	0.0	4.6	98.9	100.0	25.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Norway	170	159	0.0	0.0	10.6	99.2	100.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Portugal	327	315	0.0	0.0	3.9	100.0	100.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Russian Federation	390	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation 6hr+	174	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovenia	147	143	0.0	0.0	1.9	99.5	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sweden	237	218	0.0	0.0	7.6	97.4	100.0	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
United States	392	310	0.0	0.0	18.0	91.5	100.0	25.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0
International Avg (n=8)	2647	2044	0.0	0.0	8.2	96.9	100.0	37.5	84.4	93.8	93.8	100.0	100.0	100.0	100.0	100.0

Question: School Supports Advanced Mathematics and Physics Education - Teachers' Reports (Scale)
 Location: Derived (MTBGSMF)

Country	Sample	Valid N	Not Adm. %	Not App. %	Omitt ed %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
France	425	396	6.4	0.0	0.5	9.2	9.1	3.9	7.4	8.0	8.5	9.1	10.0	10.5	11.1	14.9
Italy	284	257	8.3	0.0	1.1	8.8	8.5	5.7	6.6	6.6	7.6	8.5	10.0	11.1	11.6	13.2
Lebanon	275	271	1.0	0.0	0.8	11.5	11.1	5.7	8.5	9.5	10.5	11.1	13.2	14.9	14.9	14.9
Norway	170	159	9.9	0.0	0.7	10.6	11.1	3.9	8.0	9.1	9.6	10.5	11.6	12.3	13.2	14.9
Portugal	327	321	2.2	0.0	0.2	10.3	10.5	5.7	8.0	8.5	9.1	10.0	11.1	13.2	13.2	14.9
Russian Federation	390	384	1.0	0.0	0.8	11.5	12.3	7.4	8.5	9.1	10.0	11.6	12.3	14.9	14.9	14.9
Russian Federation 6hr+	174	172	3.0	0.0	0.6	12.1	12.3	8.0	9.6	10.0	11.1	11.6	13.2	14.9	14.9	14.9
Slovenia	147	147	0.0	0.0	0.0	8.4	8.5	3.9	6.6	6.6	8.0	8.5	9.1	10.0	10.5	13.2
Sweden	237	219	6.2	0.0	1.1	8.8	8.5	5.7	6.6	7.4	8.0	8.5	9.6	10.5	11.1	14.9
United States	392	308	17.9	0.0	0.5	10.9	10.0	3.9	8.0	8.7	9.6	11.1	11.6	13.2	14.9	14.9
International Avg (n=9)	2647	2462	5.9	0.0	0.6	10.0	10.0	5.1	7.6	8.2	9.0	9.9	10.9	12.3	12.8	14.5

Question: School Supports Advanced Mathematics and Physics Education - Teachers' Reports (Index)
 Location: Derived (MTDGSMF)

Country	Sample	Valid N	1. Strong ly suppor ts %	2. Suppor ts %	3. Somewh at suppor ts %	Missin g %	Not admini stered %	Not applic able %	1. Strong ly suppor ts Mean	2. Suppor ts Mean	3. Somewh at suppor ts Mean	Missin g Mean	Not admini stered Mean	Not applic able Mean
France	425	396	3.8	87.0	9.2	0.5	6.4	0.0	478.8	461.0	458.7	474.3	479.0	.
Italy	284	257	6.3	68.8	24.9	1.1	8.3	0.0	465.1	426.6	406.5	391.8	403.4	.
Lebanon	275	271	46.4	52.3	1.3	0.8	1.0	0.0	532.6	532.0	489.4	563.8	524.9	.
Norway	170	159	27.6	69.7	2.7	0.7	9.9	0.0	475.8	455.9	462.7	415.7	440.9	.
Portugal	327	321	23.5	71.6	4.9	0.2	2.2	0.0	485.9	481.6	474.8	549.1	476.4	.
Russian Federation	390	384	51.7	47.6	0.7	0.8	1.0	0.0	502.5	464.3	469.5	441.5	572.7	.
Russian Federation 6hr+	174	172	61.7	38.3	0.0	0.6	3.0	0.0	549.5	525.2	.	566.3	532.9	.
Slovenia	147	147	1.7	76.7	21.6	0.0	0.0	0.0	511.9	465.9	433.9	.	.	.
Sweden	237	219	2.9	76.7	20.4	1.1	6.2	0.0	442.3	435.0	435.5	424.7	368.6	.
United States	392	308	40.0	56.2	3.8	0.5	17.9	0.0	486.7	487.0	432.5	535.2	484.3	.
International Avg (n=9)	2647	2462	22.7	67.4	9.9	0.6	5.9	0.0	486.8	467.7	451.5	474.5	468.8	.

Question: Safe and Orderly Schools - Teachers' Reports (Scale)
 Location: Derived (MTBGSOS)

Country	Sample	Valid N	Not Adm. %	Not App. %	Omitt ed %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
France	425	395	6.3	0.0	0.6	9.3	8.1	4.7	6.4	6.8	8.1	9.0	10.5	13.0	13.0	13.0
Italy	284	257	8.3	0.0	1.1	9.4	8.1	3.4	6.4	6.8	8.1	9.5	11.0	11.7	13.0	13.0
Lebanon	275	270	1.0	0.0	0.9	10.7	13.0	3.4	7.3	7.7	9.5	11.0	13.0	13.0	13.0	13.0
Norway	170	159	9.9	0.0	0.7	10.8	13.0	3.4	7.7	8.6	9.5	11.0	13.0	13.0	13.0	13.0
Portugal	327	321	2.2	0.0	0.2	9.7	13.0	3.4	6.4	7.3	8.6	10.0	11.0	13.0	13.0	13.0
Russian Federation	390	387	1.0	0.0	0.0	10.9	13.0	5.9	8.1	9.0	10.0	11.0	12.6	13.0	13.0	13.0
Russian Federation 6hr+	174	173	3.0	0.0	0.0	10.9	13.0	7.3	8.6	9.0	10.0	10.5	11.7	13.0	13.0	13.0
Slovenia	147	147	0.0	0.0	0.0	8.9	8.1	3.4	6.4	6.8	7.7	8.6	10.0	11.7	13.0	13.0
Sweden	237	221	6.2	0.0	0.0	9.5	9.0	4.7	6.8	7.7	8.6	9.5	10.5	11.7	13.0	13.0
United States	392	310	17.9	0.0	0.0	10.8	13.0	3.4	6.8	7.7	9.0	11.0	13.0	13.0	13.0	13.0
International Avg (n=9)	2647	2467	5.9	0.0	0.4	10.0	10.9	4.0	6.9	7.6	8.8	10.1	11.6	12.6	13.0	13.0

Question: Safe and Orderly Schools - Teachers' Reports (Index)
 Location: Derived (MTDGSOS)

Country	Sample	Valid N	1. Very Safe and orderl y %	2. Safe and orderl y %	3. Less than safe and orderl y %	Missin g %	Not admini stered %	Not applic able %	1. Very Safe and orderl y Mean	2. Safe and orderl y Mean	3. Less than safe and orderl y Mean	Missin g Mean	Not admini stered Mean	Not applic able Mean
France	425	395	33.8	61.2	5.1	0.6	6.3	0.0	473.4	457.7	426.0	499.1	478.7	.
Italy	284	257	43.3	50.6	6.2	1.1	8.3	0.0	428.1	428.9	355.3	391.8	403.4	.
Lebanon	275	270	66.7	31.4	1.9	0.9	1.0	0.0	535.5	526.5	518.0	489.5	524.9	.
Norway	170	159	73.5	25.2	1.3	0.7	9.9	0.0	464.6	450.5	504.7	415.7	440.9	.
Portugal	327	321	52.2	41.4	6.3	0.2	2.2	0.0	483.7	481.1	477.7	549.1	476.4	.
Russian Federation	390	387	75.3	24.0	0.8	0.0	1.0	0.0	494.6	450.9	445.1	.	572.7	.
Russian Federation 6hr+	174	173	78.2	21.8	0.0	0.0	3.0	0.0	551.8	499.0	.	.	532.9	.
Slovenia	147	147	26.6	67.0	6.4	0.0	0.0	0.0	482.5	453.8	427.7	.	.	.
Sweden	237	221	43.7	53.3	3.0	0.0	6.2	0.0	446.5	427.3	412.5	.	368.6	.
United States	392	310	70.5	26.4	3.0	0.0	17.9	0.0	486.0	491.5	408.3	534.8	484.3	.
International Avg (n=9)	2647	2467	54.0	42.3	3.8	0.4	5.9	0.0	477.2	463.1	441.7	480.0	468.7	.

Question: Teachers' Job Satisfaction (Scale)
 Location: Derived (MTBGTJS)

Country	Sample	Valid N	Not Adm. %	Not App. %	Omitt ed %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
France	425	396	6.3	0.0	0.3	9.6	12.6	5.0	6.1	7.1	8.0	9.3	11.5	12.6	12.6	12.6
Italy	284	257	8.1	0.0	1.5	9.1	12.6	5.0	5.0	6.1	7.5	8.8	10.5	12.6	12.6	12.6
Lebanon	275	269	1.0	0.0	1.5	11.4	12.6	5.3	8.8	9.3	10.5	11.5	12.6	12.6	12.6	12.6
Norway	170	158	9.9	0.0	1.4	10.6	12.6	5.0	7.5	8.4	8.8	11.0	12.6	12.6	12.6	12.6
Portugal	327	322	2.2	0.0	0.0	9.6	12.6	5.0	6.7	7.1	8.4	9.7	11.0	12.6	12.6	12.6
Russian Federation	390	387	1.0	0.0	0.0	10.1	12.6	6.1	7.5	8.0	8.8	9.7	11.5	12.6	12.6	12.6
Russian Federation 6hr+	174	172	3.0	0.0	0.7	10.5	12.6	6.7	8.0	8.4	9.3	10.5	12.6	12.6	12.6	12.6
Slovenia	147	144	0.0	0.0	0.5	9.5	12.6	6.1	6.7	7.1	8.0	9.3	10.5	12.6	12.6	12.6
Sweden	237	219	6.2	0.0	1.3	9.4	12.6	5.0	6.7	7.1	8.0	9.3	10.5	12.6	12.6	12.6
United States	392	308	17.9	0.0	0.8	10.8	12.6	5.0	7.1	8.0	9.7	11.0	12.6	12.6	12.6	12.6
International Avg (n=9)	2647	2460	5.9	0.0	0.8	10.0	12.6	5.3	6.9	7.6	8.6	10.0	11.5	12.6	12.6	12.6

Question: Teachers' Job Satisfaction (Index)
 Location: Derived (MTDGTJS)

Country	Sample	Valid N	1. Very satisf ied %	2. Satisf ied %	3. Less than satisf ied %	Missin g %	Not admini stered %	Not applic able %	1. Very satisf ied Mean	2. Satisf ied Mean	3. Less than satisf ied Mean	Missin g Mean	Not admini stered Mean	Not applic able Mean
France	425	396	35.6	50.4	14.0	0.3	6.3	0.0	465.3	459.3	458.5	532.7	478.7	.
Italy	284	257	27.6	52.2	20.2	1.5	8.1	0.0	417.0	434.7	408.5	391.8	398.8	.
Lebanon	275	269	79.3	18.6	2.1	1.5	1.0	0.0	533.5	529.0	516.1	506.3	524.9	.
Norway	170	158	60.3	35.9	3.7	1.4	9.9	0.0	472.8	446.2	423.3	449.8	440.9	.
Portugal	327	322	33.5	54.7	11.8	0.0	2.2	0.0	486.4	481.1	476.7	.	476.4	.
Russian Federation	390	387	41.9	55.5	2.7	0.0	1.0	0.0	505.1	470.9	415.0	.	572.7	.
Russian Federation 6hr+	174	172	53.8	43.5	2.7	0.7	3.0	0.0	540.3	542.9	556.0	335.0	532.9	.
Slovenia	147	144	30.9	55.8	13.3	0.5	0.0	0.0	475.8	452.1	453.1	499.2	.	.
Sweden	237	219	29.3	59.9	10.7	1.3	6.2	0.0	436.4	436.5	423.1	446.9	368.6	.
United States	392	308	62.8	32.1	5.1	0.8	17.9	0.0	481.4	489.0	492.8	558.0	484.3	.
International Avg (n=9)	2647	2460	44.6	46.1	9.3	0.8	5.9	0.0	474.9	466.6	451.9	483.5	468.2	.