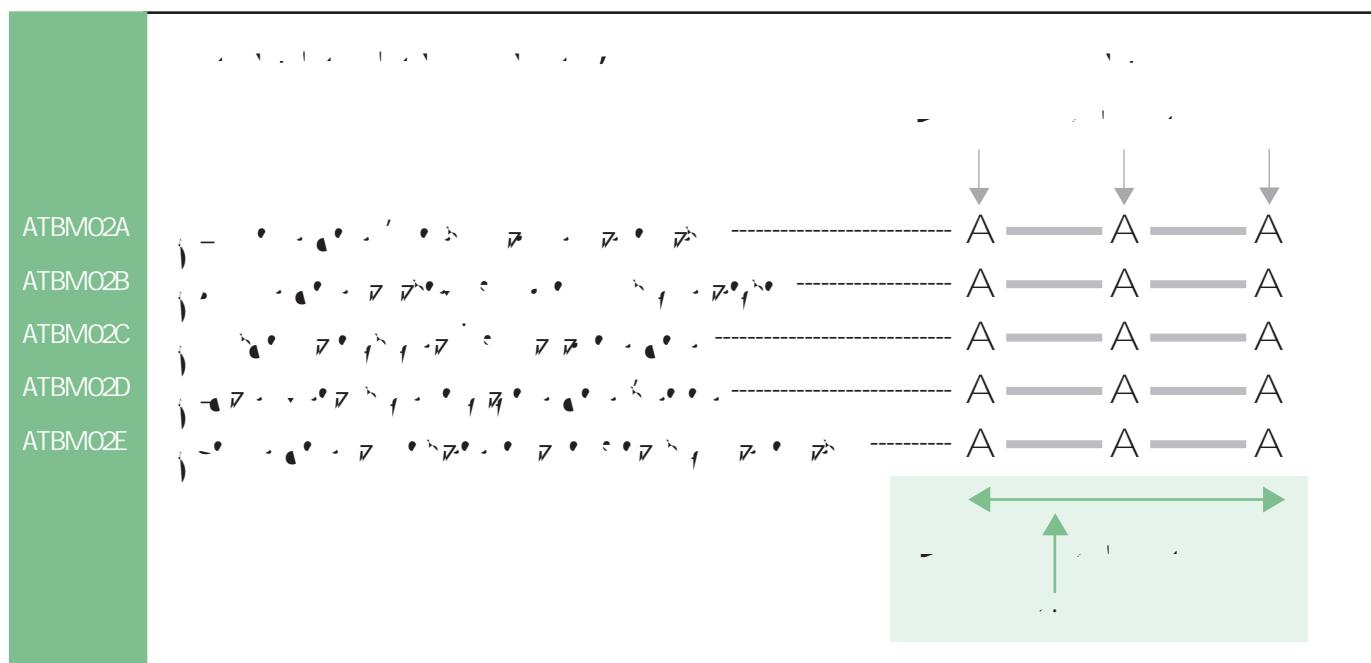


TIMSS 2011

The TIMSS 2011 Confidence in Teaching Mathematics Scale, Fourth Grade

Confidence in Teaching Mathematics (CTM) is one of the scales used in the TIMSS 2011 Context Questionnaire. This scale consists of five items (ATBM02A-E). The following figure shows the five items and the scoring key.



Item	delta
—	—
—	—
—	—
—	—
—	—

Handwritten responses for ATBM02 items:

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Scale Transformation Constants

Figure 1. The three stages of the process of socialization of the child into the culture of the family.

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For more information about the study, please contact Dr. [REDACTED] at [REDACTED].

...and the other side of the world, the other side of the ocean, the other side of the sun.

Cronbach's Alpha	Percent of
0.70	70%

Country	Reliability Coefficient	Variance Explained	ATBM
United States	0.85	60%	High
United Kingdom	0.82	58%	Medium-High
Germany	0.78	55%	Medium
France	0.75	52%	Medium-Low
Japan	0.72	50%	Low-Medium
Canada	0.68	48%	Medium-Low
Australia	0.65	45%	Low
New Zealand	0.62	42%	Very Low
Ireland	0.58	40%	Very Low
Netherlands	0.55	38%	Very Low

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Country	Cronbach's Alpha Reliability Coefficient	Percent of Variance Explained	Factor Loadings for Each Item				
			ATBM02A	ATBM02B	ATBM02C	ATBM02D	ATBM02E
United States	0.85	45.2%	-0.15	-0.10	-0.10	-0.10	-0.10
United Kingdom	0.82	42.8%	-0.10	-0.15	-0.15	-0.15	-0.15
Germany	0.80	40.5%	-0.10	-0.10	-0.10	-0.10	-0.10
France	0.78	38.7%	-0.10	-0.10	-0.10	-0.10	-0.10
Japan	0.75	36.5%	-0.10	-0.10	-0.10	-0.10	-0.10
Canada	0.73	34.8%	-0.10	-0.10	-0.10	-0.10	-0.10
Australia	0.70	33.0%	-0.10	-0.10	-0.10	-0.10	-0.10
Ireland	0.68	31.5%	-0.10	-0.10	-0.10	-0.10	-0.10
Netherlands	0.65	29.8%	-0.10	-0.10	-0.10	-0.10	-0.10
Sweden	0.62	28.0%	-0.10	-0.10	-0.10	-0.10	-0.10
Norway	0.58	26.5%	-0.10	-0.10	-0.10	-0.10	-0.10
Denmark	0.55	25.0%	-0.10	-0.10	-0.10	-0.10	-0.10
Portugal	0.52	23.5%	-0.10	-0.10	-0.10	-0.10	-0.10
Greece	0.48	22.0%	-0.10	-0.10	-0.10	-0.10	-0.10
Spain	0.45	20.5%	-0.10	-0.10	-0.10	-0.10	-0.10
Poland	0.42	19.0%	-0.10	-0.10	-0.10	-0.10	-0.10
Croatia	0.38	17.5%	-0.10	-0.10	-0.10	-0.10	-0.10
Slovenia	0.35	16.0%	-0.10	-0.10	-0.10	-0.10	-0.10
Bosnia and Herzegovina	0.32	14.5%	-0.10	-0.10	-0.10	-0.10	-0.10
Macedonia	0.28	13.0%	-0.10	-0.10	-0.10	-0.10	-0.10
Montenegro	0.25	11.5%	-0.10	-0.10	-0.10	-0.10	-0.10
Albania	0.22	10.0%	-0.10	-0.10	-0.10	-0.10	-0.10
North Macedonia	0.18	8.5%	-0.10	-0.10	-0.10	-0.10	-0.10
Yugoslavia	0.15	7.0%	-0.10	-0.10	-0.10	-0.10	-0.10
Other Balkan Countries	0.12	6.0%	-0.10	-0.10	-0.10	-0.10	-0.10
Other European Countries	0.08	5.0%	-0.10	-0.10	-0.10	-0.10	-0.10
Other Countries	0.05	4.0%	-0.10	-0.10	-0.10	-0.10	-0.10

METHODS AND PROCEDURES

CREATING AND INTERPRETING CONTEXT QUESTIONNAIRE SCALES

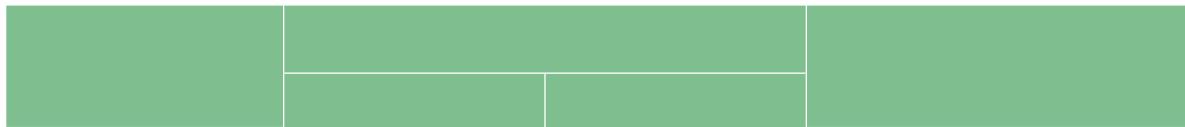
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METHODS AND PROCEDURES
CREATING AND INTERPRETING CONTEXT QUANTUM



METHODS AND PROCEDURES

CREATING AND INTERPRETING CONTEXT QUESTIONNAIRE SCALES



METHODS AND PROCEDURES
CREATING AND INTERPRETING CONTEXT QUESTIONNAIRE SCALES