

**Massachusetts Tests for Educator Licensure (MTEL)
September 1, 2022 - August 31, 2023**

Technical Report Statistics by Test Form

Test Field and Form		Number of Tests Taken	Total Test Scaled Score Indices										Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Multiple-Choice Section				G Coefficient			
						Fixed	Random	Length	Keats' SEM	Computed SEM	KR20	I Fixed	I Random		
01 Communication and Literacy Skills - Reading	A	986	249	13.3	0.84	--	--	36	2.5	2.2	0.80	--	--	--	
	B	951	253	12.8	0.84	--	--	36	2.5	2.1	0.82	--	--	--	
	C	546	253	12.9	0.80	--	--	36	2.5	2.2	0.75	--	--	--	
	D	524	248	14.6	0.81	--	--	36	2.4	2.2	0.76	--	--	--	
	E	468	246	14.5	0.80	--	--	36	2.4	2.2	0.76	--	--	--	
	F	448	251	14.1	0.83	--	--	36	2.4	2.1	0.78	--	--	--	
	G	444	247	13.6	0.81	--	--	36	2.5	2.3	0.80	--	--	--	
	H	438	253	14.0	0.81	--	--	36	2.4	2.1	0.73	--	--	--	
	J	431	250	13.2	0.79	--	--	36	2.4	2.2	0.69	--	--	--	
	K	379	249	16.0	0.80	--	--	36	2.4	2.1	0.77	--	--	--	
	L	374	254	15.2	0.83	--	--	36	2.3	2.0	0.74	--	--	--	
	M	355	252	15.7	0.84	--	--	36	2.4	2.1	0.75	--	--	--	
	N	350	250	14.4	0.83	--	--	36	2.4	2.2	0.73	--	--	--	
P	326	246	13.9	0.83	--	--	36	2.5	2.3	0.78	--	--	--		

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Test Field and Form		Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section					Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient			
						Fixed	Random					I Fixed	I Random		
01 Communication and Literacy Skills - Reading	Q	217	257	13.8	0.86	--	--	36	2.5	2.1	0.74	--	--	--	
	R	197	247	13.8	0.76	--	--	36	2.5	2.3	0.74	--	--	--	
	S	194	256	13.9	0.83	--	--	36	2.4	2.1	0.72	--	--	--	
	T	183	251	13.2	0.79	--	--	36	2.4	2.2	0.72	--	--	--	
01 Communication and Literacy Skills - Writing	A	1,300	248	11.6	0.88	0.92	0.81	40	2.6	2.4	0.86	0.91	0.48	0.57	
	B	1,281	247	11.3	0.84	0.91	0.80	40	2.6	2.4	0.83	0.90	0.51	0.54	
	C	1,265	246	11.8	--	0.92	0.82	40	2.6	2.4	0.84	0.91	0.52	0.58	
	D	1,243	247	11.4	0.86	0.91	0.80	40	2.7	2.5	0.84	0.89	0.47	0.55	
	E	949	250	11.4	0.90	0.92	0.75	40	2.8	2.4	0.86	0.89	0.40	0.51	
	F	924	250	12.2	0.90	0.91	0.78	40	2.6	2.3	0.87	0.86	0.38	0.55	
	G	565	250	11.7	0.86	0.91	0.79	40	2.7	2.4	0.81	0.91	0.55	0.54	
	H	223	244	12.8	0.86	0.89	0.69	40	2.7	2.5	0.83	0.88	0.33	0.35	

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			Mean	SEM	Decision Consistency	Stratified Alpha							Multiple-Choice Section		
						Fixed	Random	Length	Keats' SEM	Computed SEM	KR20	I Fixed	I Random		
002 Early Childhood	A	254	230	9.6	0.85	0.85	0.83	85	3.8	3.9	0.81	0.89	0.42	0.51	
	B	222	228	9.6	0.84	0.84	0.82	85	3.8	3.9	0.82	0.87	0.24	0.32	
	C	33	227	--	--	--	--	85	--	--	--	--	--	--	
	D	22	221	--	--	--	--	85	--	--	--	--	--	--	
	E	22	238	--	--	--	--	85	--	--	--	--	--	--	
	F	14	233	--	--	--	--	85	--	--	--	--	--	--	
03 General Curriculum - Multi-Subject	A	524	238	10.9	0.81	0.78	0.78	48	3.1	3.0	0.74	0.92	0.92	0.29	
	B	497	235	11.2	0.80	0.80	0.80	48	3.1	3.0	0.76	0.92	0.92	0.38	
	C	218	242	10.9	0.82	0.78	0.78	48	3.1	3.0	0.71	0.90	0.90	0.47	
	D	209	238	10.8	0.80	0.82	0.82	48	3.1	3.0	0.75	0.95	0.95	0.54	
	E	199	240	10.9	0.78	0.81	0.81	48	3.2	3.0	0.75	0.93	0.93	0.49	
	F	189	238	10.9	0.79	0.80	0.80	48	3.2	3.0	0.73	0.94	0.94	0.49	
	G	152	240	10.9	0.82	0.80	0.80	48	3.1	3.0	0.73	0.94	0.94	0.57	
	H	136	240	11.0	0.76	0.82	0.82	48	3.1	3.0	0.77	0.91	0.91	0.55	
	J	134	239	11.3	0.85	0.82	0.82	48	3.2	3.0	0.77	0.94	0.94	0.62	

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			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient			
						Fixed	Random					I Fixed	I Random		
03 General Curriculum - Multi-Subject	K	114	234	10.7	0.82	0.81	0.81	48	3.1	3.0	0.75	0.95	0.95	0.47	
	L	89	239	--	--	--	--	48	--	--	--	--	--	--	
	M	86	229	--	--	--	--	48	--	--	--	--	--	--	
	N	81	238	--	--	--	--	48	--	--	--	--	--	--	
	P	77	242	--	--	--	--	48	--	--	--	--	--	--	
03 General Curriculum - Mathematics	A	652	229	10.4	0.85	0.86	0.86	40	3.0	2.8	0.83	0.93	0.93	0.46	
	B	651	229	10.4	0.86	0.87	0.87	40	3.0	2.8	0.83	0.94	0.94	0.54	
	C	252	229	10.9	0.87	0.88	0.88	40	2.9	2.8	0.84	0.95	0.95	0.51	
	D	231	234	10.6	0.86	0.85	0.85	40	3.0	2.8	0.81	0.95	0.95	0.43	
	E	225	229	10.4	0.86	0.86	0.86	40	3.0	2.8	0.82	0.94	0.94	0.46	
	F	211	229	11.0	0.83	0.87	0.87	40	2.9	2.8	0.84	0.94	0.94	0.48	
	G	173	225	10.2	0.88	0.84	0.84	40	2.9	2.8	0.81	0.90	0.90	0.42	
	H	165	226	10.2	0.87	0.85	0.85	40	2.9	2.8	0.81	0.96	0.96	0.46	
	J	122	228	10.4	0.89	0.89	0.89	40	2.9	2.8	0.86	0.95	0.95	0.55	
	K	119	227	10.3	0.84	0.83	0.83	40	2.9	2.8	0.77	0.94	0.94	0.51	

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			Mean	SEM	Decision Consistency	Stratified Alpha							Multiple-Choice Section		
						Fixed	Random	Length	Keats' SEM	Computed SEM	KR20	I Fixed	I Random		
03 General Curriculum - Mathematics	L	118	233	10.5	0.88	0.89	0.89	40	3.0	2.8	0.86	0.97	0.97	0.49	
	M	115	231	10.5	0.79	0.86	0.86	40	3.0	2.8	0.82	0.95	0.95	0.47	
	N	112	229	10.4	0.85	0.85	0.85	40	2.9	2.8	0.81	0.93	0.93	0.48	
	P	107	230	10.4	0.84	0.84	0.84	40	2.9	2.8	0.80	0.97	0.97	0.33	
006 History	A	68	243	--	--	--	--	85	--	--	--	--	--	--	
	B	63	245	--	--	--	--	85	--	--	--	--	--	--	
	C	38	244	--	--	--	--	85	--	--	--	--	--	--	
	D	33	247	--	--	--	--	85	--	--	--	--	--	--	
	E	16	236	--	--	--	--	85	--	--	--	--	--	--	
	F	16	250	--	--	--	--	85	--	--	--	--	--	--	
	G	6	--	--	--	--	--	85	--	--	--	--	--	--	
	H	3	--	--	--	--	--	85	--	--	--	--	--	--	

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			Mean	SEM	Decision Consistency	Stratified Alpha							Multiple-Choice Section		
						Fixed	Random	Length	Keats' SEM	Computed SEM	KR20	I Fixed	I Random		
008 Reading Specialist	A	14	246	--	--	--	--	85	--	--	--	--	--	--	
	B	13	238	--	--	--	--	85	--	--	--	--	--	--	
	C	7	--	--	--	--	--	85	--	--	--	--	--	--	
	D	2	--	--	--	--	--	85	--	--	--	--	--	--	
012 Chemistry	A	7	--	--	--	--	--	85	--	--	--	--	--	--	
	B	6	--	--	--	--	--	85	--	--	--	--	--	--	
013 Biology	A	14	233	--	--	--	--	85	--	--	--	--	--	--	
	B	8	--	--	--	--	--	85	--	--	--	--	--	--	
014 Earth Science	A	4	--	--	--	--	--	85	--	--	--	--	--	--	
	B	1	--	--	--	--	--	85	--	--	--	--	--	--	
015 Latin and Classical Humanities	A	12	258	--	--	--	--	85	--	--	--	--	--	--	
	B	10	258	--	--	--	--	85	--	--	--	--	--	--	
016 Music	A	142	239	8.6	0.87	0.90	0.87	85	3.9	3.8	0.87	0.92	0.65	0.33	
	B	135	237	8.5	0.83	0.90	0.87	85	4.0	3.9	0.88	0.85	0.52	0.32	

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			Mean	SEM	Decision Consistency	Stratified Alpha						G Coefficient		
						Fixed	Random	Length	Keats' SEM	Computed SEM	KR20	I Fixed	I Random	
017 Visual Art	A	99	255	--	--	--	--	85	--	--	--	--	--	--
	B	83	252	--	--	--	--	85	--	--	--	--	--	--
	C	37	261	--	--	--	--	85	--	--	--	--	--	--
	D	27	262	--	--	--	--	85	--	--	--	--	--	--
019 Business	A	34	241	--	--	--	--	85	--	--	--	--	--	--
	B	22	243	--	--	--	--	85	--	--	--	--	--	--
021 Health/Family and Consumer Sciences	A	102	243	12.1	0.77	0.77	0.72	85	3.4	3.2	0.71	0.95	0.48	0.20
	B	91	245	--	--	--	--	85	--	--	--	--	--	--
	C	38	247	--	--	--	--	85	--	--	--	--	--	--
	D	17	234	--	--	--	--	85	--	--	--	--	--	--

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			Mean	SEM	Decision Consistency	Stratified Alpha							Multiple-Choice Section		
						Fixed	Random	Length	Keats' SEM	Computed SEM	KR20	I Fixed	I Random		
022 Physical Education	A	242	228	11.4	0.80	0.83	0.80	85	3.4	3.6	0.79	0.93	0.32	0.38	
	B	220	225	11.8	0.82	0.76	0.73	85	3.4	3.6	0.71	0.87	0.15	0.42	
	C	62	222	--	--	--	--	85	--	--	--	--	--	--	
	D	53	229	--	--	--	--	85	--	--	--	--	--	--	
026 French	A	30	242	--	--	--	--	85	--	--	--	--	--	--	
	B	24	244	--	--	--	--	85	--	--	--	--	--	--	
027 German	A	2	--	--	--	--	--	34	--	--	--	--	--	--	
028 Spanish	A	72	248	--	--	--	--	85	--	--	--	--	--	--	
	B	71	253	--	--	--	--	85	--	--	--	--	--	--	
	C	32	245	--	--	--	--	85	--	--	--	--	--	--	
	D	30	245	--	--	--	--	85	--	--	--	--	--	--	

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						Fixed	Random					I Fixed	I Random		
029 Chinese (Mandarin)	A	9	--	--	--	--	--	34	--	--	--	--	--	--	
	B	8	--	--	--	--	--	34	--	--	--	--	--	--	
030 Italian	A	15	235	--	--	--	--	34	--	--	--	--	--	--	
031 Russian	A	1	--	--	--	--	--	34	--	--	--	--	--	--	
032 Portuguese	A	26	228	--	--	--	--	34	--	--	--	--	--	--	
045 Theater	A	38	252	--	--	--	--	85	--	--	--	--	--	--	
	B	26	256	--	--	--	--	85	--	--	--	--	--	--	
046 Dance	A	18	224	--	--	--	--	85	--	--	--	--	--	--	
048 Political Science/Political Philosophy	A	5	--	--	--	--	--	85	--	--	--	--	--	--	
	B	4	--	--	--	--	--	85	--	--	--	--	--	--	

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						Fixed	Random	Length	Keats' SEM	Computed SEM	KR20	I Fixed	I Random		
050 Middle School Humanities	A	36	225	--	--	--	--	85	--	--	--	--	--	--	--
	B	29	225	--	--	--	--	85	--	--	--	--	--	--	--
	C	16	224	--	--	--	--	85	--	--	--	--	--	--	--
	D	15	222	--	--	--	--	85	--	--	--	--	--	--	--
051 Middle School Mathematics/Science	A	4	--	--	--	--	--	85	--	--	--	--	--	--	--
	B	2	--	--	--	--	--	85	--	--	--	--	--	--	--
053 Elementary Mathematics	A	15	221	--	--	--	--	85	--	--	--	--	--	--	--
	B	14	218	--	--	--	--	85	--	--	--	--	--	--	--
054 English as a Second Language	A	497	228	9.4	0.82	0.86	0.84	85	3.7	3.9	0.82	0.84	0.61	0.46	
	B	463	228	9.4	0.83	0.84	0.83	85	3.7	3.8	0.80	0.82	0.59	0.54	
	C	127	220	9.3	0.90	0.92	0.90	85	3.7	3.9	0.89	0.83	0.59	0.58	
	D	126	226	9.8	0.88	0.89	0.87	85	3.7	3.9	0.87	0.87	0.55	0.44	
	E	53	228	--	--	--	--	85	--	--	--	--	--	--	--
	F	46	226	--	--	--	--	85	--	--	--	--	--	--	--

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						Fixed	Random					I Fixed	I Random		
055 Adult Basic Education	A	7	--	--	--	--	--	85	--	--	--	--	--	--	
056 Sheltered English Immersion	A	96	243	--	--	--	--	52	--	--	--	--	--	--	
	B	77	239	--	--	--	--	52	--	--	--	--	--	--	
	C	70	242	--	--	--	--	52	--	--	--	--	--	--	
	D	49	232	--	--	--	--	52	--	--	--	--	--	--	
	E	42	239	--	--	--	--	52	--	--	--	--	--	--	
	F	35	244	--	--	--	--	52	--	--	--	--	--	--	
	G	32	248	--	--	--	--	52	--	--	--	--	--	--	
	H	31	245	--	--	--	--	52	--	--	--	--	--	--	
	J	27	242	--	--	--	--	52	--	--	--	--	--	--	
	K	27	241	--	--	--	--	52	--	--	--	--	--	--	
	L	18	226	--	--	--	--	52	--	--	--	--	--	--	
	M	13	247	--	--	--	--	52	--	--	--	--	--	--	
N	9	--	--	--	--	--	--	52	--	--	--	--	--		
061 English	A	833	242	8.4	0.85	0.90	0.88	85	4.0	3.8	0.86	0.88	0.64	0.63	

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						Fixed	Random					I Fixed	I Random		
062 Reading Specialist	A	265	258	8.9	0.95	0.90	0.85	85	4.1	3.4	0.86	0.96	0.52	0.38	
063 Mathematics	A	242	242	7.7	0.92	0.97	0.92	85	4.4	3.9	0.94	0.99	0.51	0.62	
	B	128	242	7.8	0.90	0.96	0.92	72	4.0	3.6	0.94	0.97	0.63	0.48	
	C	76	244	--	--	--	--	72	--	--	--	--	--	--	
064 General Science	A	213	249	9.0	0.93	0.94	0.90	85	4.0	3.6	0.90	0.97	0.62	0.62	
065 Middle School Mathematics	A	204	231	7.0	0.89	0.94	0.83	85	4.1	4.0	0.90	0.98	0.26	0.41	
	B	102	234	7.0	0.92	--	--	72	3.9	3.6	0.91	--	--	0.28	
	C	99	227	--	--	--	--	72	--	--	--	--	--	--	
066 Biology	A	188	261	8.1	0.93	0.94	0.91	85	4.2	3.6	0.92	0.97	0.58	0.53	
067 Chemistry	A	78	254	--	--	--	--	85	--	--	--	--	--	--	
068 Elementary Mathematics	A	504	227	8.4	0.94	0.93	0.88	85	4.3	4.2	0.91	0.94	0.47	0.36	
069 Physics	A	83	254	--	--	--	--	85	--	--	--	--	--	--	
070 Technology/Engineering	A	53	245	--	--	--	--	85	--	--	--	--	--	--	
071 Digital Literacy and Computer Science	A	88	250	--	--	--	--	85	--	--	--	--	--	--	

(Continued)

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**Massachusetts Tests for Educator Licensure (MTEL)
September 1, 2022 - August 31, 2023**

Technical Report Statistics by Test Form

Test Field and Form		Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section					Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient			
						Fixed	Random					I Fixed	I Random		
072 Early Childhood	A	681	251	8.4	0.88	0.84	0.80	85	4.0	3.7	0.78	0.84	0.43	0.51	
073 History/Social Science	A	397	246	7.2	0.88	0.91	0.89	85	4.2	4.0	0.88	0.94	0.58	0.49	
074 Earth and Space Science	A	25	251	--	--	--	--	85	--	--	--	--	--	--	
077 Middle School Mathematics/Science	A	68	247	--	--	--	--	85	--	--	--	--	--	--	
079 Bilingual Education	A	28	256	--	--	--	--	85	--	--	--	--	--	--	
190 Foundations of Reading	A	1,183	245	8.2	0.87	0.92	0.91	85	4.1	3.7	0.91	0.87	0.40	0.50	
	B	1,094	246	8.2	0.88	0.92	0.91	85	4.1	3.7	0.91	0.88	0.49	0.50	
	C	281	247	8.3	0.89	0.94	0.91	85	4.1	3.7	0.93	0.87	0.36	0.58	
	D	271	242	8.2	0.89	0.95	0.93	85	4.1	3.7	0.94	0.83	0.44	0.64	

(Continued)

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			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient			
						Fixed	Random					I Fixed	I Random		
91 Vocational Technical Literacy Skills Test - Reading	A	77	273	--	--	--	--	51	--	--	--	--	--	--	
	B	77	269	--	--	--	--	51	--	--	--	--	--	--	
	C	35	271	--	--	--	--	51	--	--	--	--	--	--	
	D	27	262	--	--	--	--	51	--	--	--	--	--	--	
91 Vocational Technical Literacy Skills Test - Writing	A	103	246	13.7	0.92	0.90	0.73	34	2.6	2.1	0.74	0.92	0.51	0.49	
	B	97	246	--	--	--	--	34	--	--	--	--	--	--	
	C	41	256	--	--	--	--	34	--	--	--	--	--	--	
	D	32	247	--	--	--	--	34	--	--	--	--	--	--	
801 CASA: Reading subtest	A	122	261	9.8	0.91	--	--	32	2.7	2.3	0.80	--	--	--	
	B	120	254	9.7	0.85	--	--	32	2.7	2.4	0.82	--	--	--	
803 CASA: Writing subtest	A	141	244	7.4	0.90	0.94	0.94	33	2.8	2.5	0.83	0.98	0.98	0.50	
	B	120	248	7.6	0.84	0.95	0.95	33	2.7	2.4	0.84	0.99	0.99	0.54	

(Continued)

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			Mean	SEM	Decision Consistency	Stratified Alpha						G Coefficient		
						Fixed	Random	Length	Keats' SEM	Computed SEM	KR20	I Fixed	I Random	
866 MoGEA: Reading Comprehension and Interpretation subtest	A	49	244	--	--	--	--	30	--	--	--	--	--	--
	B	48	246	--	--	--	--	30	--	--	--	--	--	--
867 MoGEA: Writing subtest	A	63	233	--	--	--	--	--	--	--	--	--	--	--
	B	35	235	--	--	--	--	--	--	--	--	--	--	--
	C	23	244	--	--	--	--	--	--	--	--	--	--	--
	D	21	240	--	--	--	--	--	--	--	--	--	--	--
	E	20	246	--	--	--	--	--	--	--	--	--	--	--
	F	14	239	--	--	--	--	--	--	--	--	--	--	--
	G	14	246	--	--	--	--	--	--	--	--	--	--	--
	H	13	223	--	--	--	--	--	--	--	--	--	--	--
895 WEST-B: Reading subtest	A	8	--	--	--	--	--	54	--	--	--	--	--	--
	B	7	--	--	--	--	--	54	--	--	--	--	--	--

(Continued)

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			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient			
						Fixed	Random					I Fixed	I Random		
896 WEST-B: Writing subtest	A	10	245	--	--	--	--	45	--	--	--	--	--	--	
	B	2	--	--	--	--	--	45	--	--	--	--	--	--	
900 MTEL-Flex English Objective 0014	A	60	236	--	--	--	--	--	--	--	--	--	--	--	
901 MTEL-Flex English Objective 0015	A	17	192	--	--	--	--	--	--	--	--	--	--	--	
902 MTEL-Flex English as a Second Language Objective 0005	A	38	261	--	--	--	--	--	--	--	--	--	--	--	
903 MTEL-Flex English as a Second Language Objective 0008	A	84	263	--	--	--	--	--	--	--	--	--	--	--	
904 MTEL-Flex Foundations of Reading Objective 0010	A	104	263	4.1	0.99	--	--	--	--	--	--	0.98	0.98	--	
905 MTEL-Flex Foundations of Reading Objective 0011	A	38	259	--	--	--	--	--	--	--	--	--	--	--	
906 MTEL-Flex Gen Curric Multisubject Objective 0006	A	143	246	13.4	0.97	--	--	--	--	--	--	0.90	0.90	--	
907 MTEL-Flex Gen Curric Multisubject Objective 0010	A	152	210	15.7	0.90	--	--	--	--	--	--	0.88	0.88	--	
908 MTEL-Flex Gen Curric Mathematics Objective 0019	A	326	193	17.1	0.86	--	--	--	--	--	--	0.85	0.85	--	

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			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient			
						Fixed	Random					I Fixed	I Random		
909 MTEL-Flex Gen Curric Mathematics Objective 0020	A	33	198	--	--	--	--	--	--	--	--	--	--	--	
910 MTEL-Flex History Objective 0002	A	41	235	--	--	--	--	--	--	--	--	--	--	--	
911 MTEL-Flex History Objective 0014	A	6	--	--	--	--	--	--	--	--	--	--	--	--	
912 MTEL-Flex Spanish Objective 0013	A	5	--	--	--	--	--	--	--	--	--	--	--	--	
913 MTEL-Flex Spanish Objective 0014	A	1	--	--	--	--	--	--	--	--	--	--	--	--	
914 MTEL-Flex General Science Objective 0017	A	3	--	--	--	--	--	--	--	--	--	--	--	--	
915 MTEL-Flex General Science Objective 0018	A	1	--	--	--	--	--	--	--	--	--	--	--	--	
916 MTEL-Flex History/Social Science Objective 0014	A	2	--	--	--	--	--	--	--	--	--	--	--	--	
917 MTEL-Flex History/Social Science Objective 0015	A	2	--	--	--	--	--	--	--	--	--	--	--	--	

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