

PIRLS 2011

PIRLS 2011 Conditioning Models for Concurrent Calibration

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Country	2011				2006			
	Number of Primary Conditioning Variables	Number of Principal Components Available	Number of Principal Components Retained	Percentage of Variance Explained	Number of Primary Conditioning Variables	Number of Principal Components Available	Number of Principal Components Retained	Percentage of Variance Explained
Australia	2	545	286	90	—	—	—	—
Austria	2	543	233	80	2	526	253	84
Azerbaijan	2	546	244	80	—	—	—	—
Belgium (French)	2	548	186	73	2	514	227	80
Bulgaria	2	527	263	88	2	528	193	76
Canada	6	540	305	90	—	—	—	—
Chinese Taipei	2	553	214	77	2	519	229	80
Colombia	2	543	198	73	—	—	—	—
Croatia	2	541	229	79	—	—	—	—
Czech Republic	2	551	227	80	—	—	—	—
Denmark	2	555	229	78	2	528	200	76
England	2	243	137	90	2	528	201	78
Finland	3	550	232	81	—	—	—	—
France	2	547	221	78	2	516	220	78
Georgia	2	551	239	80	2	518	220	79
Germany	2	552	200	75	2	520	291	90
Hong Kong SAR	2	555	193	73	2	530	235	80
Hungary	2	539	260	85	2	497	203	78
Indonesia	2	541	239	80	2	492	238	82
Iran, Islamic Rep. of	2	555	287	86	2	530	270	86
Ireland	2	549	226	80	—	—	—	—
Israel	3	525	209	78	—	—	—	—
Italy	3	551	209	75	2	530	179	71
Lithuania	2	547	233	80	2	511	235	81
Malta	2	555	179	69	—	—	—	—
Morocco	2	549	324	90	—	—	—	—
Netherlands	2	546	199	76	2	520	207	78
New Zealand	8	549	282	88	8	520	287	90

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Country	2011				2006			
	Number of Primary Conditioning Variables	Number of Principal Components Available	Number of Principal Components Retained	Percentage of Variance Explained	Number of Primary Conditioning Variables	Number of Principal Components Available	Number of Principal Components Retained	Percentage of Variance Explained
Northern Ireland	2	544	179	75	—	—	—	—
Norway	3	553	159	69	3	522	191	75
Oman	3	553	323	90	—	—	—	—
Poland	2	531	250	84	2	501	242	84
Portugal	2	542	204	77	—	—	—	—
Qatar	3	544	206	75	—	—	—	—
Romania	3	554	233	83	3	530	213	79
Russian Federation	2	527	223	80	2	500	236	83
Saudi Arabia	3	544	225	78	—	—	—	—
Singapore	2	555	307	90	2	526	296	90
Slovak Republic	3	547	281	88	3	524	269	87
Slovenia	2	547	225	80	2	518	266	87
Spain	7	544	304	90	6	528	204	77
Sweden	2	547	231	81	2	528	219	79
Trinidad and Tobago	2	525	197	75	2	491	197	76
United Arab Emirates	5	541	317	90	—	—	—	—
United States	9	237	141	90	7	285	166	90
Sixth Grade Participants								
Botswana	2	539	209	75	—	—	—	—
Honduras	2	539	194	74	—	—	—	—
Kuwait	2	543	168	70	—	—	—	—
Morocco	2	549	317	90	—	—	—	—
Benchmarking Participants								
Alberta, Canada	3	540	189	75	—	—	—	—
Ontario, Canada	3	540	228	82	—	—	—	—
Quebec, Canada	3	540	212	78	—	—	—	—
Maltese - Malta	2	555	177	69	—	—	—	—
Eng/Afr (5) - RSA	3	539	175	71	—	—	—	—
Andalusia, Spain	2	541	216	77	—	—	—	—
Abu Dhabi, UAE	3	541	207	75	—	—	—	—
Dubai, UAE	3	541	303	90	—	—	—	—
Florida, US	9	237	129	88	—	—	—	—

prePIRLS 2011 Conditioning Models for Calibration

Country	Number of Primary Conditioning Variables	Number of Principal Components Available	Number of Principal Components Retained	Percentage of Variance Explained
Botswana	2	539	219	76
Colombia	2	543	198	73
South Africa	12	539	330	90