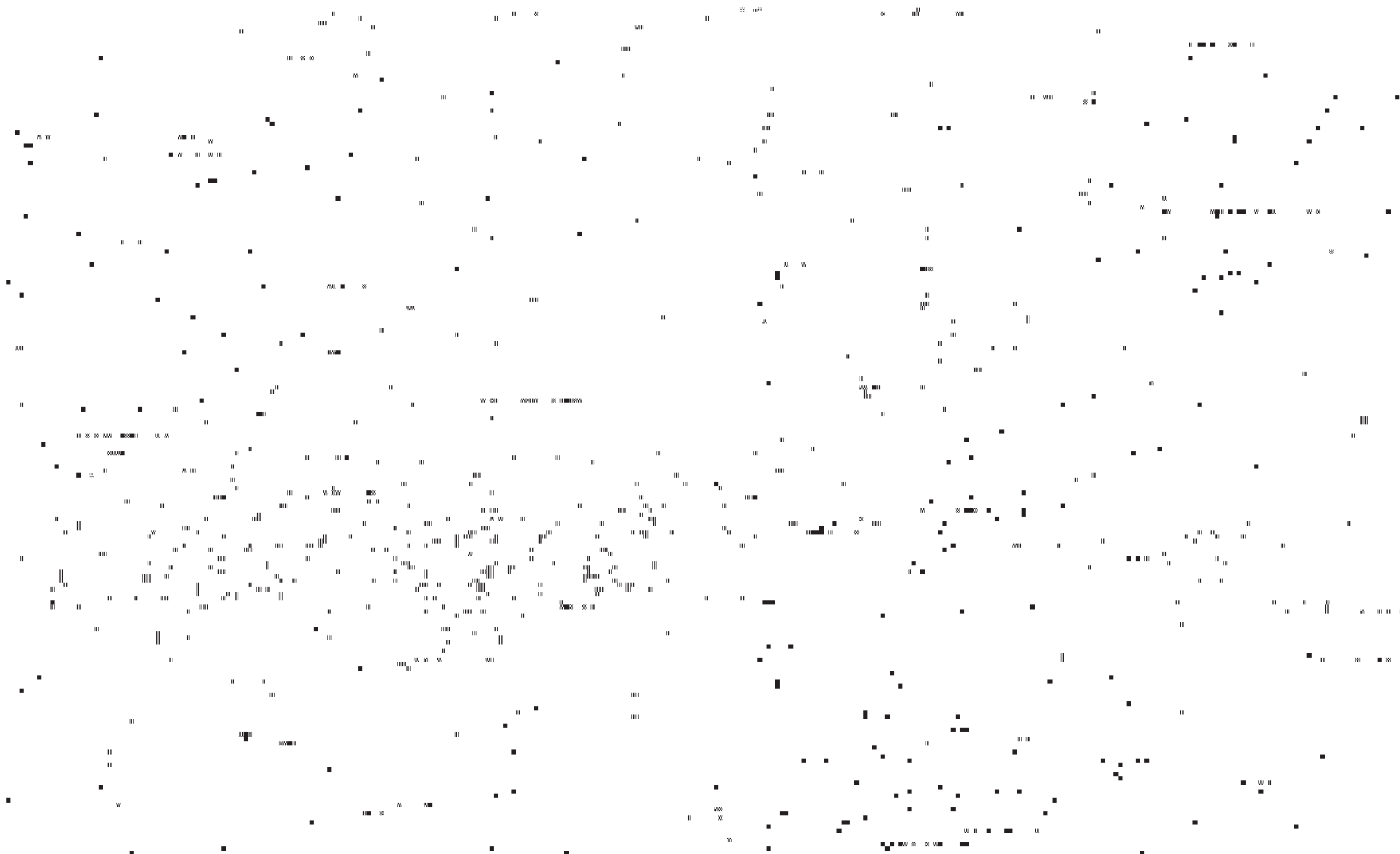


Appendix B

Characteristics of National Samples



B.4 Lebanon

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Advanced mathematics and physics

Coverage and Exclusions

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Sample Design

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B.6 Norway

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Advanced Mathematics

Coverage and Exclusions

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Sample Design

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Exhibit B.6 School Sample Allocation in Norway

Advanced Mathematics							
E . c S a	T a	t b	E c d d	P a c a . S c .			N . - P a c a . S c .
	S a d S c .	S c .	S c .	S a d	F R a c .	S c . d R a c .	
Schools with advanced mathematics classes	12	0	0	9	0	0	3
Schools with advanced mathematics classes and physics classes and 35 or more physics students	15	0	0	15	0	0	0
Schools with advanced mathematics classes and physics classes and 20 to 34 physics students	24	0	0	22	0	0	2
Schools with advanced mathematics classes and physics classes and 10 to 19 physics students	37	0	0	36	0	0	1
Schools with advanced mathematics classes and physics classes and less than 10 physics students	32	0	0	25	0	0	7
Total	120	0	0	107	0	0	13

Physics							
E . c S a	T a	t b	E c d d	P a c a . S c .			N . - P a c a . S c .
	S a d S c .	S c .	S c .	S a d	F R a c .	S c . d R a c .	
Schools with physics classes	1	0	0	1	0	0	0
Schools with advanced mathematics classes and physics classes and 35 or more physics students	18	0	0	16	0	0	

[Redacted]						
[Redacted]	[Redacted]	[Redacted]	[Redacted]			[Redacted]
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Exhibit B.9 School Sample Allocation in Slovenia

Advanced Mathematics							
Expertise	Teacher			Participant			Number of Schools
	Advanced	Intermediate	Elementary	Advanced	Few	Scarcely	
Schools with advanced mathematics classes and physics classes and many experts	15	0	0	15	0	0	0
Schools with advanced mathematics classes and physics classes and few experts	51	1	1	48	0	0	1
Schools with advanced mathematics classes	21	3	0	16	0	0	2
Total	87	4	1	79	0	0	3

Physics							
Expertise	Teacher			Participant			Number of Schools
	Advanced	Intermediate	Elementary	Advanced	Few	Scarcely	
Schools with advanced mathematics classes and physics classes and many experts	15	0	0	13	0	0	2
Schools with advanced mathematics classes and physics classes and few experts	51	1	1	41	0	0	8
Total	66	1	1	54	0	0	10

Exhibit B.10 School Sample Allocation in Sweden

Advanced Mathematics							
Educational Setting	Traditional			Paired Science			Natural Science
	Sampled Schools	Not Sampled Schools	Equivalent Schools	Sampled Schools	Not Sampled Schools	Equivalent Schools	
Public schools with advanced mathematics classes from the natural science program	6	0	0	6	0	0	0
Private schools with advanced mathematics classes from the natural science program	5	0	0	3	0	0	2
Schools with advanced mathematics classes and physics classes from both programs	52	0	0	47	4	0	1
Public schools with advanced mathematics classes and physics classes from the natural science program	38	0	0	35	1	0	2
Private schools with advanced mathematics classes and physics classes from the natural science program	20	0	1	14	0	0	5
Schools with advanced mathematics classes and physics classes from the technology program	6	0	0	6	0	0	0
Total	127	0	1	111	5	0	10

Physics							
Educational Setting	Traditional			Paired Science			Natural Science
	Sampled Schools	Not Sampled Schools	Equivalent Schools	Sampled Schools	Not Sampled Schools	Equivalent Schools	
Schools with advanced mathematics classes and physics classes from both programs	63	1	0	60	0	0	2
Public schools with advanced mathematics classes and physics classes from the natural science program	36	0	0	35	1	0	0
Private schools with advanced mathematics classes and physics classes from the natural science program	20	0	0	18	0	0	2
Schools with advanced mathematics classes and physics classes from the technology program	8	1	0	6	1	0	0
Total	127	2	0	119	2	0	4

