

Socio-Economic Factors in
Nordic Countries:
PISA Reading literacy scores
and HISEIindex
2000, 2003 and 2006

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Reading Score

- Calculated as a mean of 3 plausible scores for reading from PISA 2000, 2003 and 2006 data files
- Used in MLwiN2.10- (modelling) or
- SPSS- (descriptives) statistical environments

HISEI - score

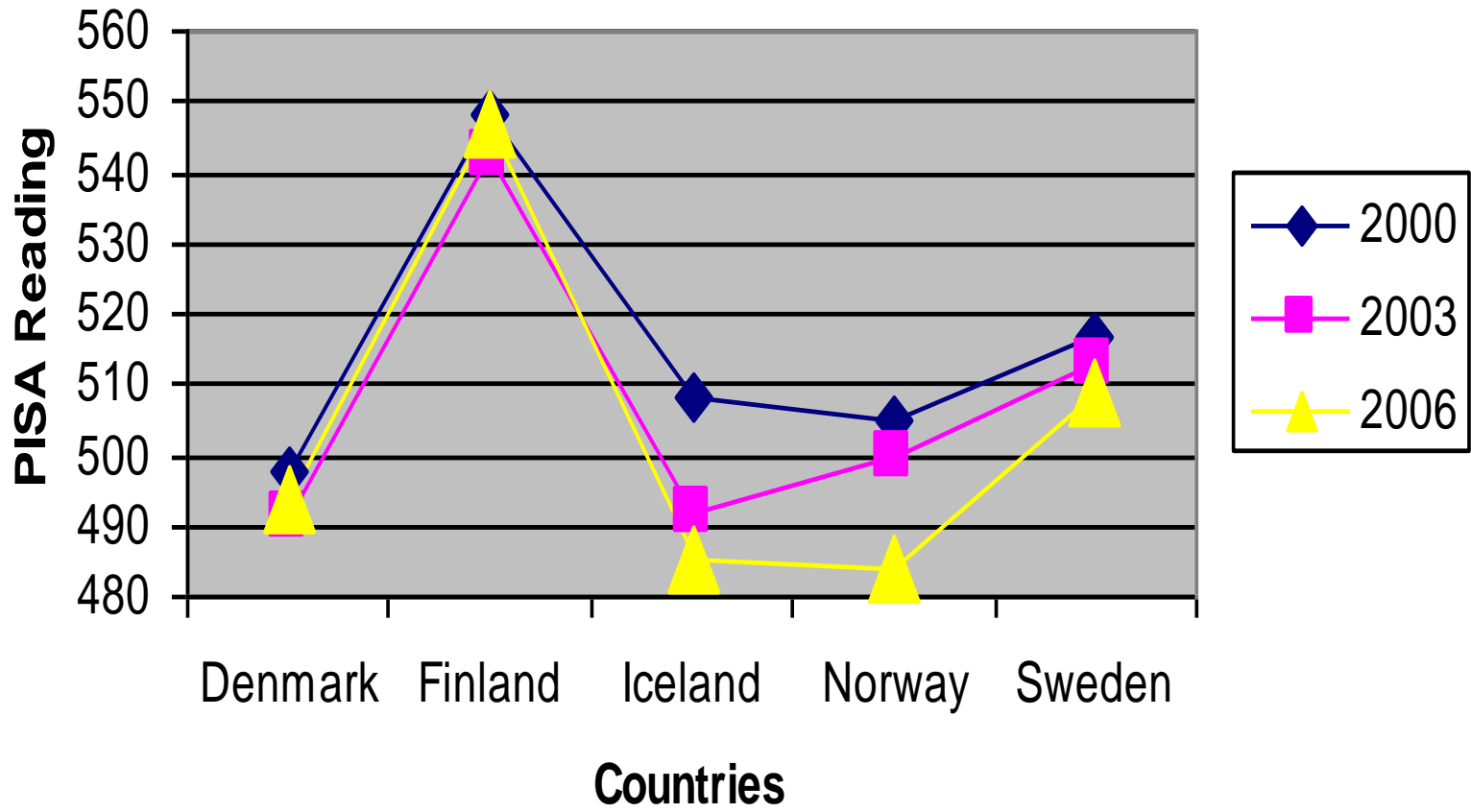
is the highest parental occupational level, which is referred to as the Highest International Social and Economic Index, H I S E I

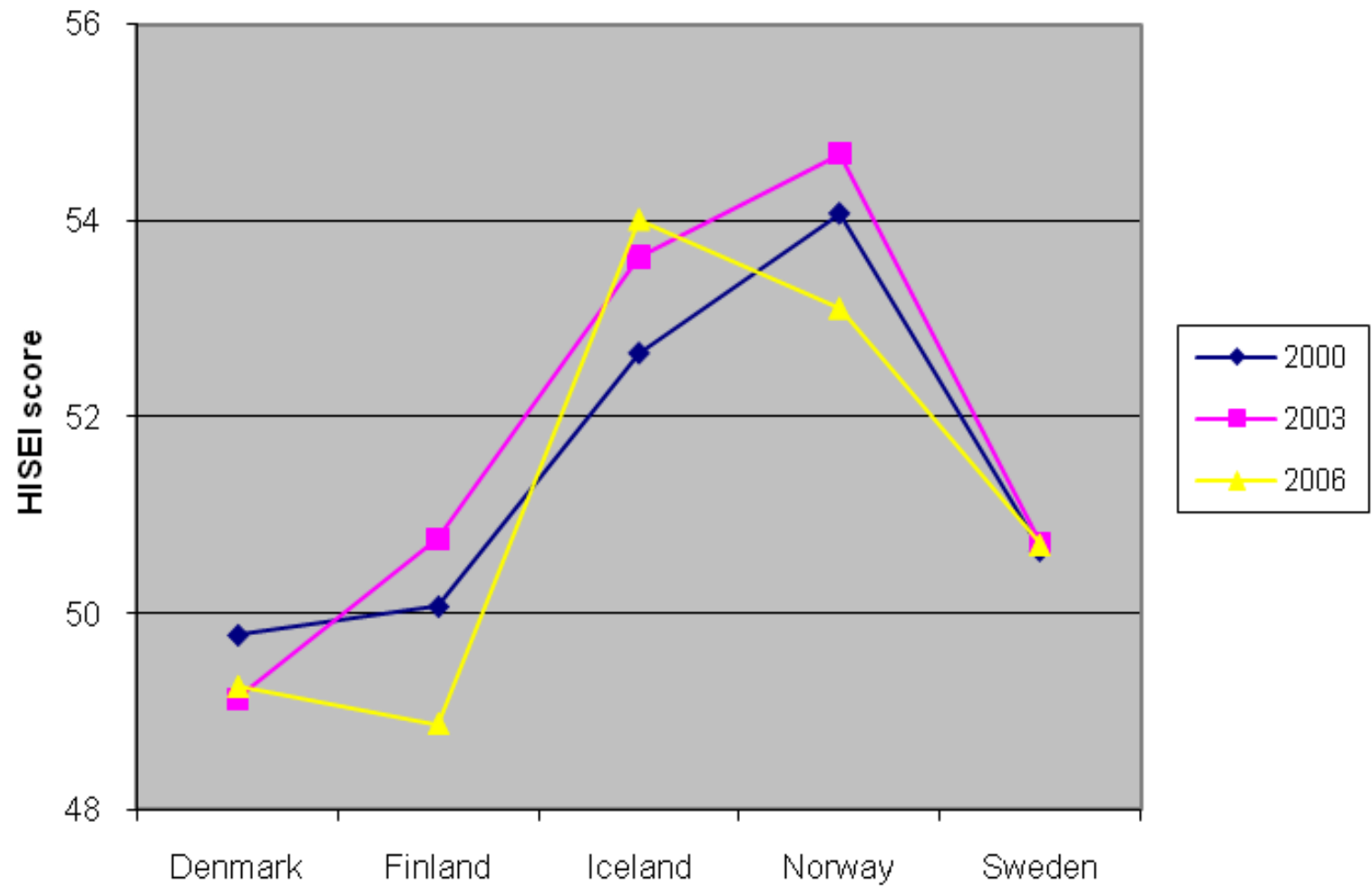
Students were asked to report about their parents' occupation, and to inform whether or not their father and mother were in full-time work, not working but looking for work, or other status.

These pieces of information were coded by trained coders using the International Standard Classification of Occupations (ISCO) into a socio-economic index of occupational status.

This index is available in all three PISA data-files.

It is using values from 16 to 90, low values representing lower socio-economic status and higher values representing higher socio-economic status.

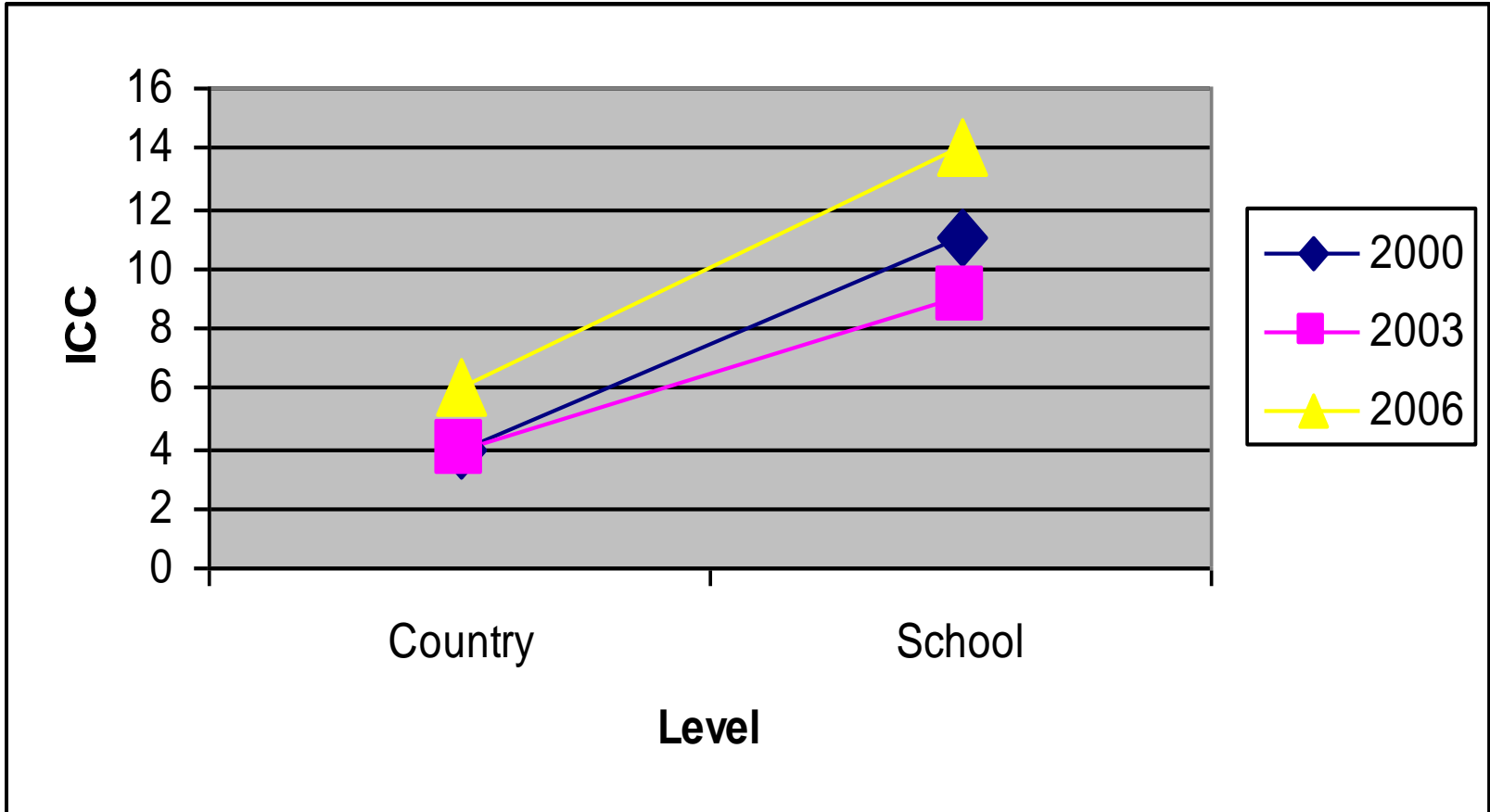




Model 1	2000	2003	2006
readMean	514	508	504
country	308	327	505
school	915	709	1249
student	7493	6623	6914
total	8716	7658	8668

Development of between-country and between-school

differences in Nordic countries: 2000, 2003 & 2006: reading

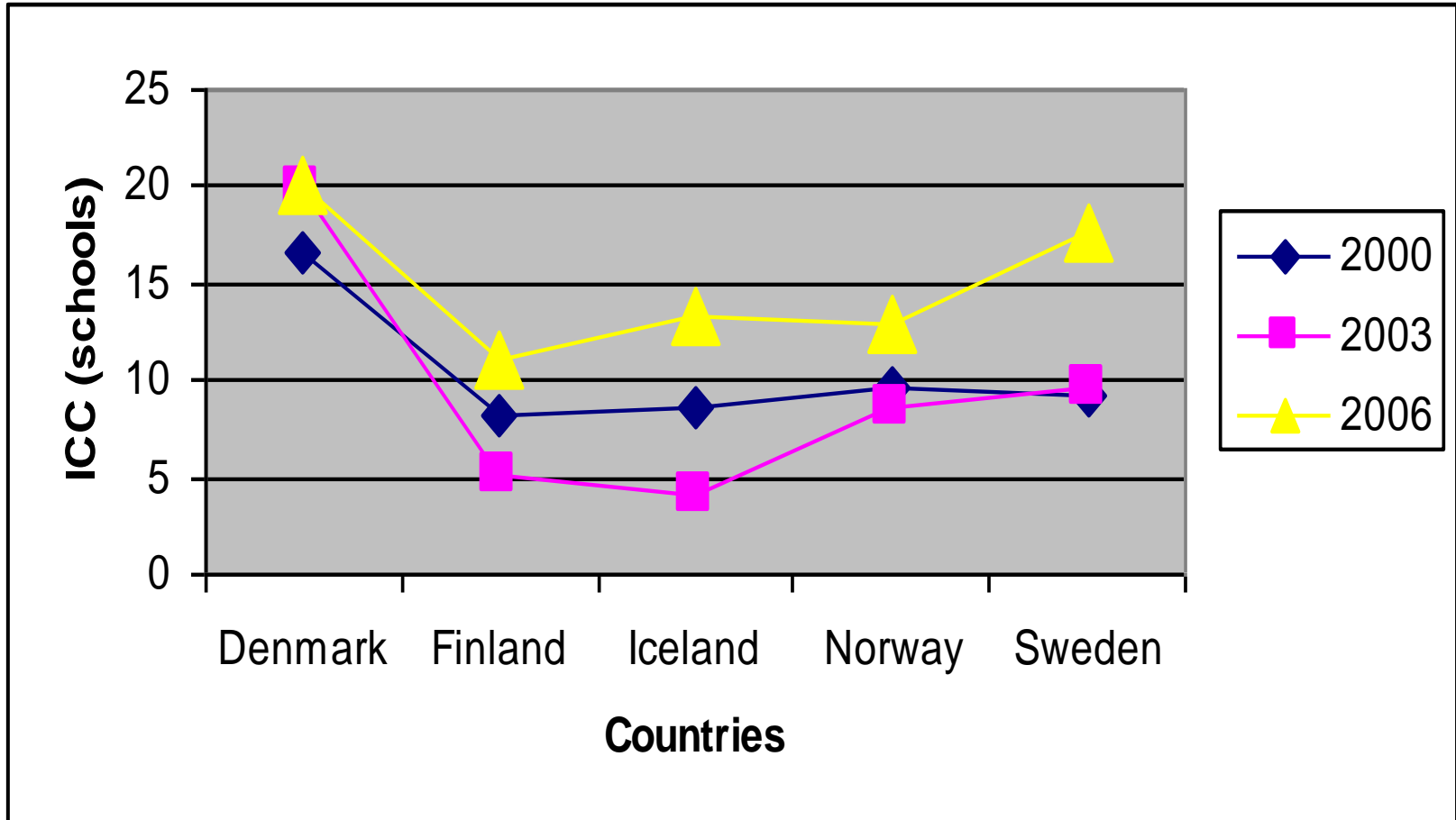


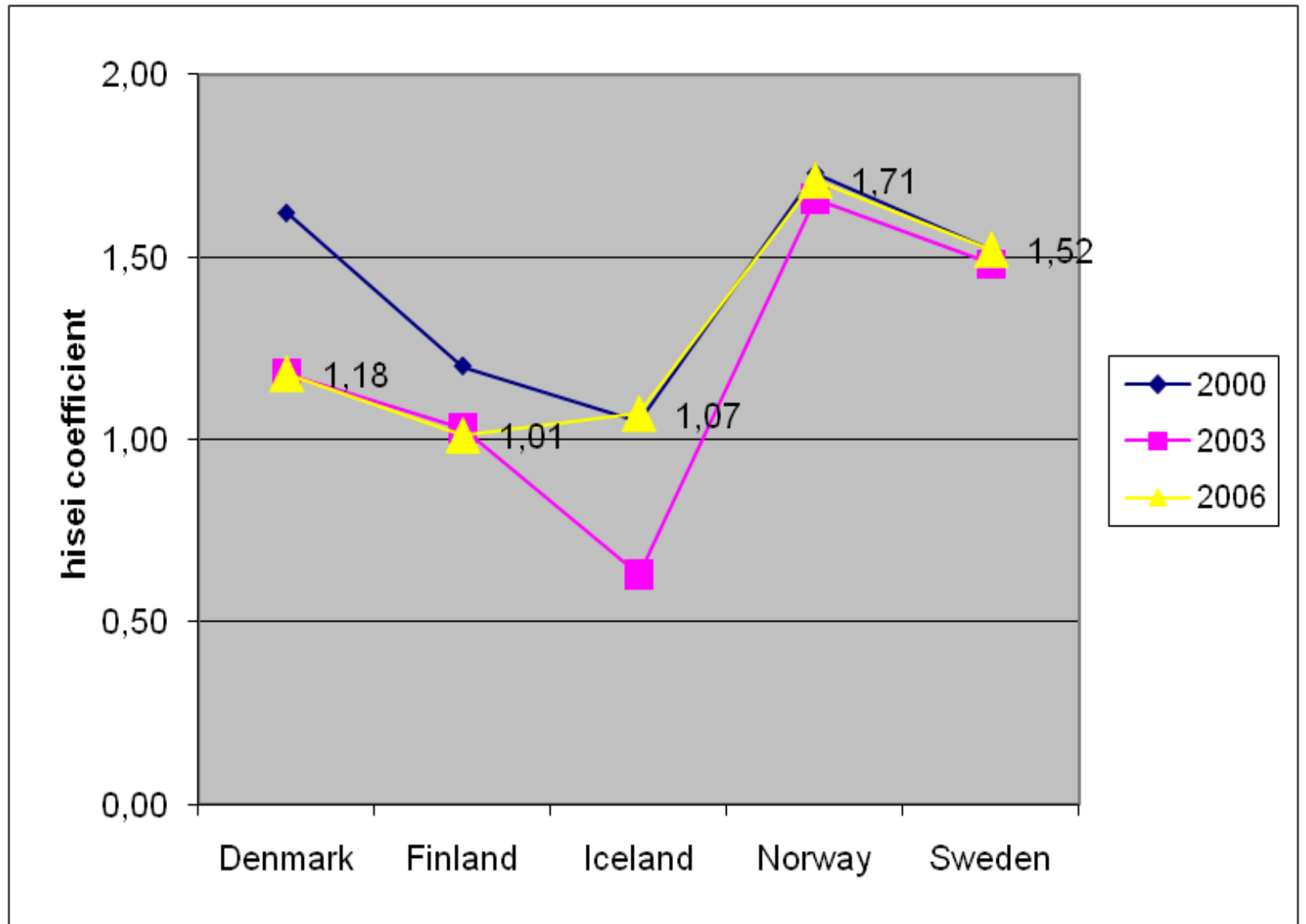
Model 2	2000	se	2003	se	2006	se
Reading	445	8,02	448	8,34	442	10,58
country	298	191,80	328	209,86	537	344,16
school	559	42,70	493	36,74	930	58,54
student	6872	69,50	6147	60,45	6209	61,27
total	7729		6968		7677	
HISEI	1,42	0,04	1,20	0,04	1,28	0,04

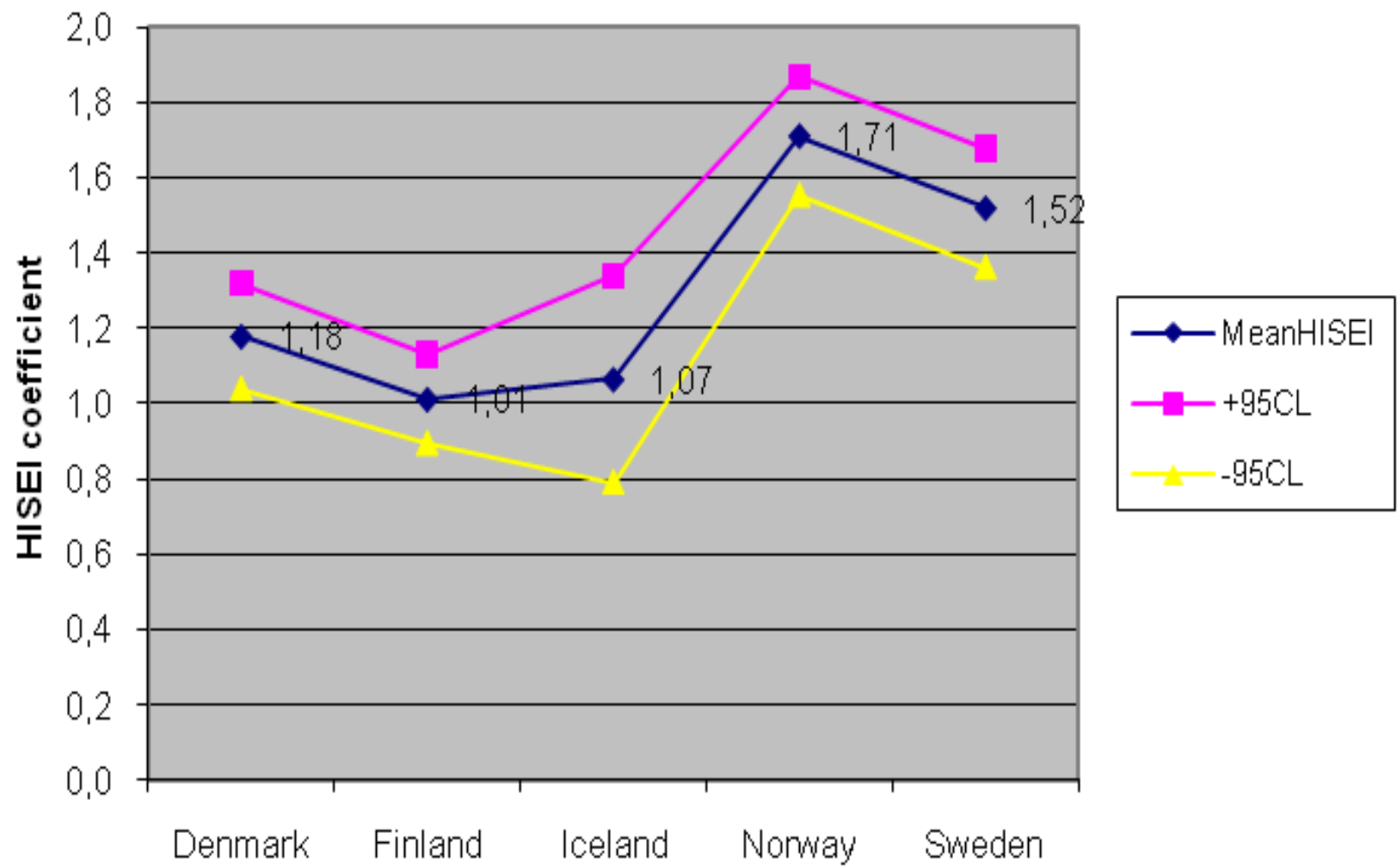
Column1	2000	se	2003	se	2006	se
readMean	444	11,66	448	11,74	441	14,20
country	655	416,50	668	424,30	979	623,30
school	548	42,20	475	35,80	916	57,70
student	6861	69,40	6126	60,20	6195	61,14
total	8064		7269		8090	
HISEI	1,50	0,08	1,46	0,08	1,53	0,08
*Denmark	0,11	0,12	-0,21	0,11	-0,33	0,11
*Finland	-0,28	0,11	-0,42	0,1	-0,51	0,11
*Iceland	-0,45	0,12	-0,84	0,11	-0,47	0,11
*Norway	0,21	0,12	0,17	0,11	0,16	0,11
Sweden	ref.		ref		ref	

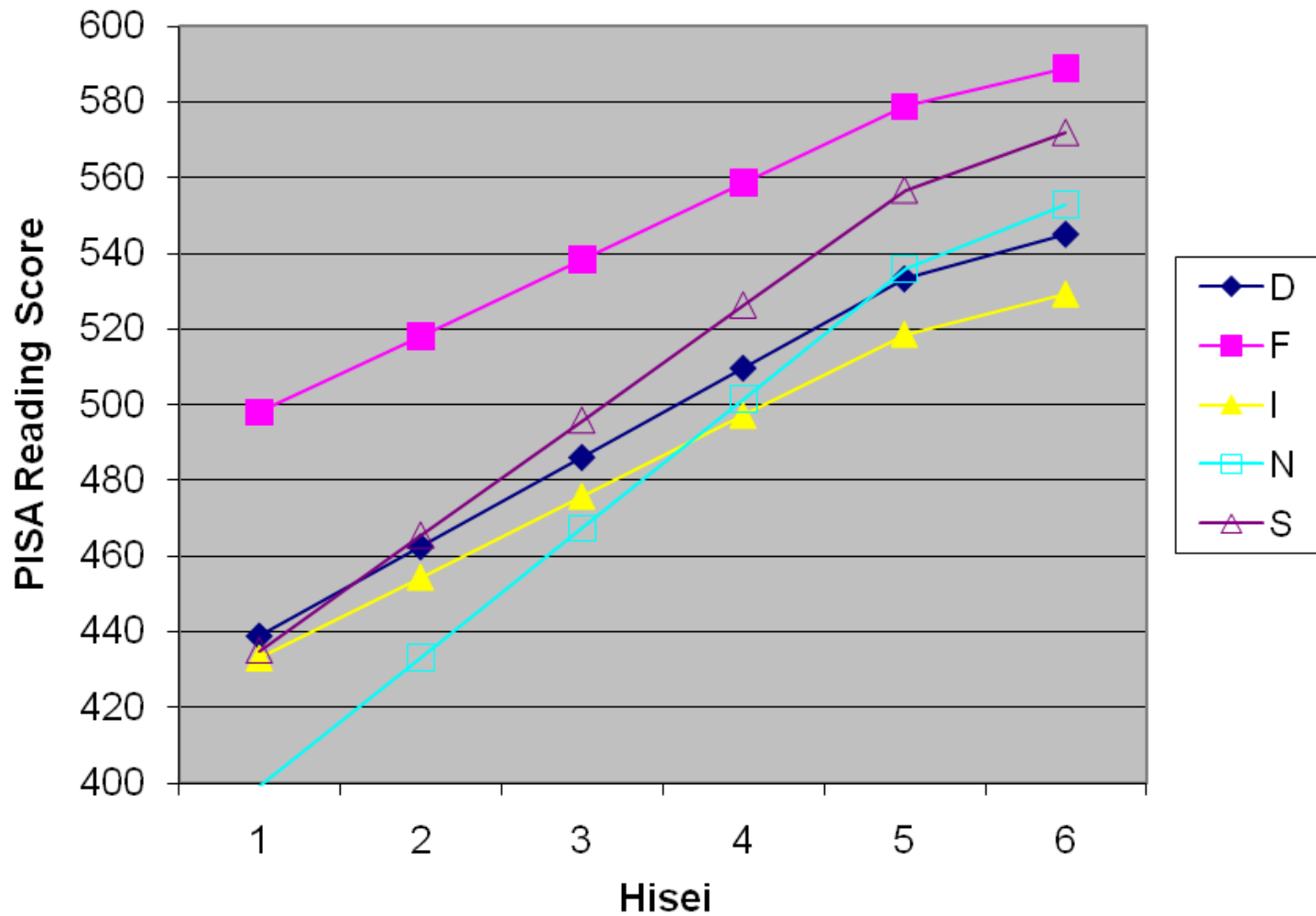
		HISEI	School variance	exp%	Pupil variance	exp%
Denmark	basic 2-level model		1467		5889	
	with HISEI	1,18	1063	28,00	5403	8,30
Finland	basic 2-level model		660		5253	
	with HISEI	1,01	542	18,00	4895	6,80
Iceland	basic 2-level model		1166		7571	
	with HISEI	1,07	1041	11,00	6952	8,20
Norway	basic 2-level model		1271		8655	
	with HISEI	1,71	836	34,00	7398	14,50
Sweden	basic 2-level model		1565		7314	
	with HISEI	1,52	1123	28,00	6437	12,00

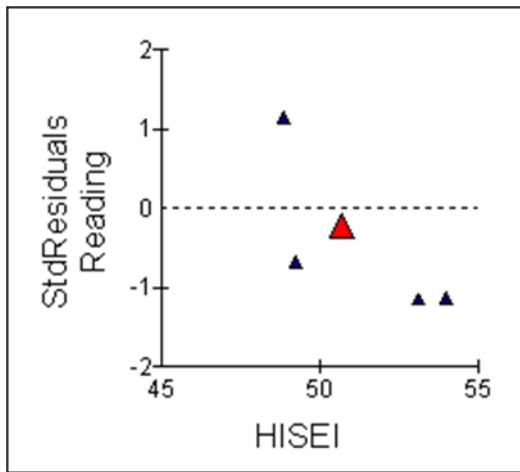
Development of between-school differences (ICC) in Nordic countries: 2000, 2003 & 2006 by countries



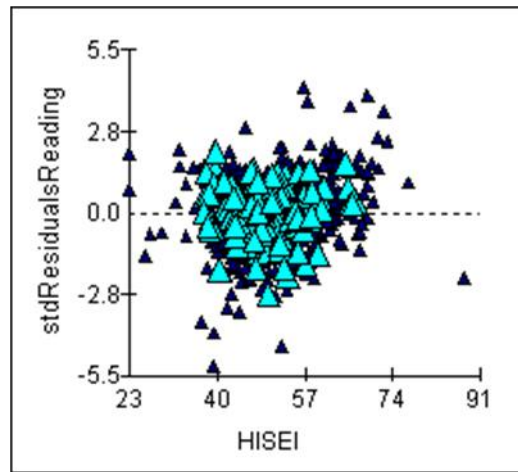




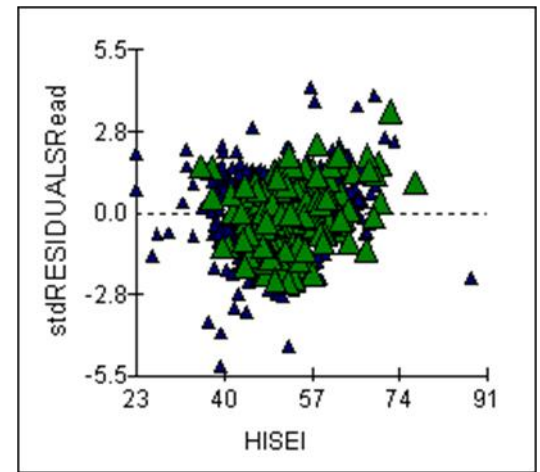




Nordic Countries 2006
Sweden



Finland
Denmark



Norway
Iceland

Units are schools with their mean HISEI and PISA Reading Score

