

# 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

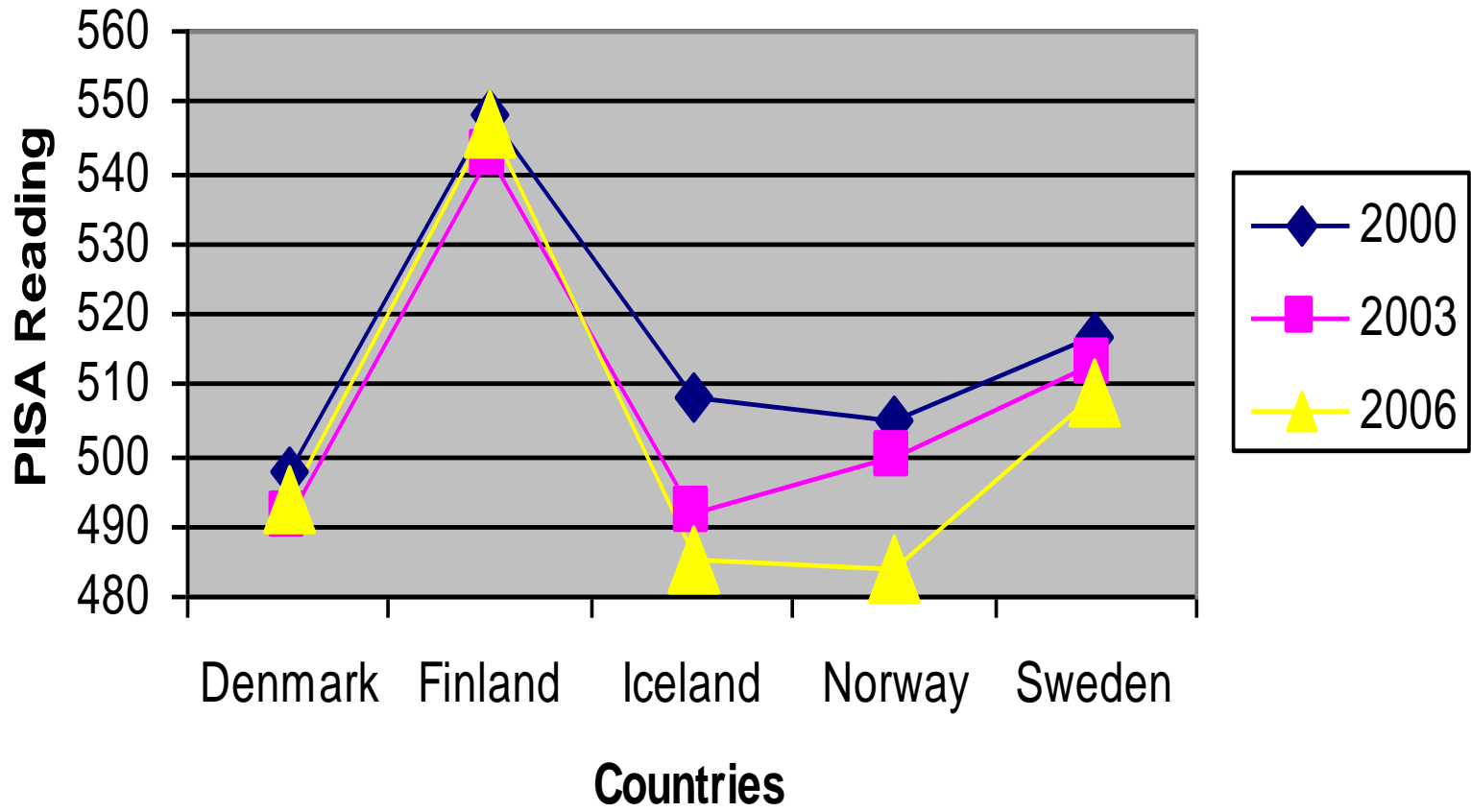
is the highest parental occupational level, which is referred to as the Highest International Social and Economic Index, H I S E I

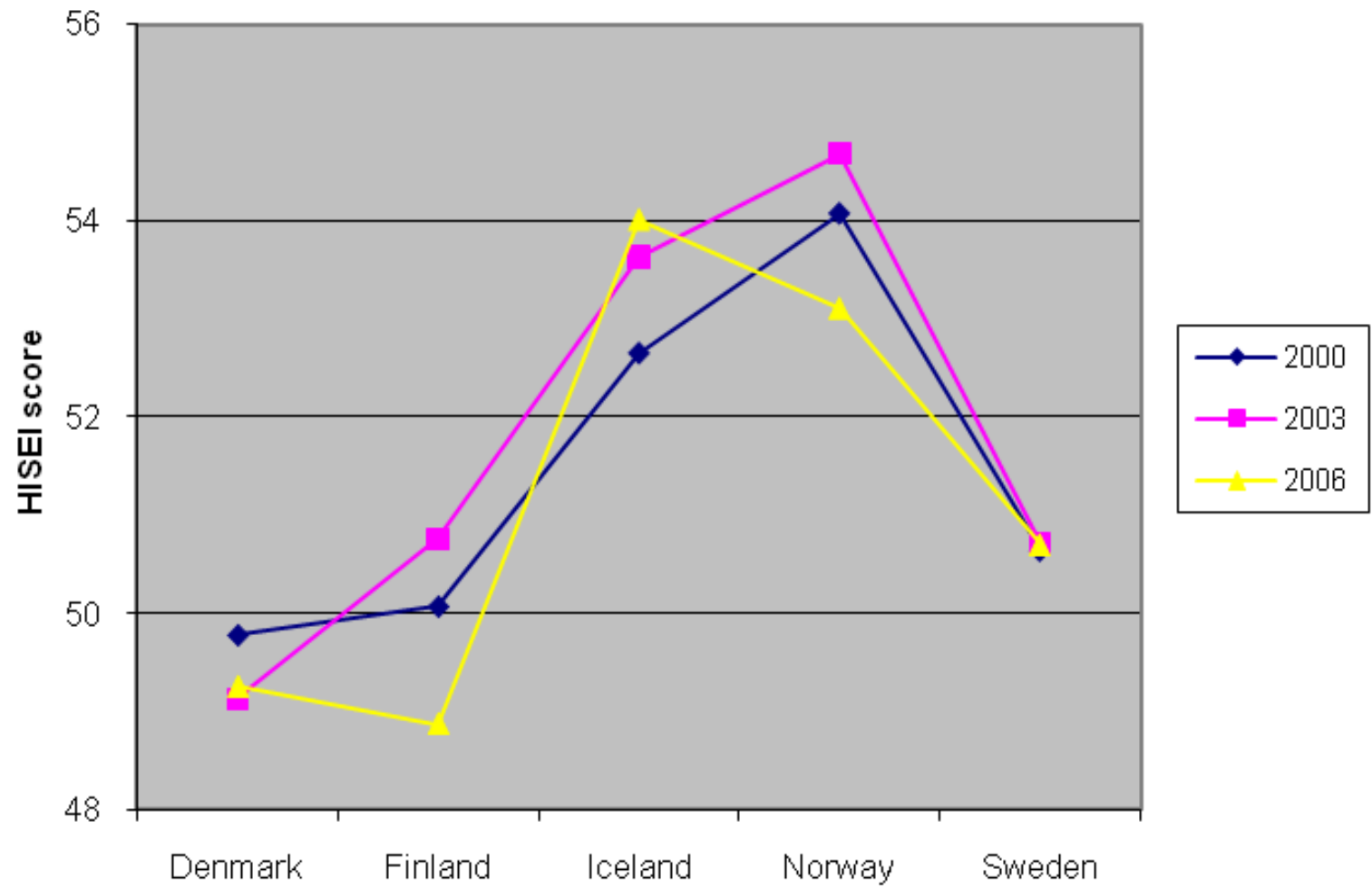
Students were asked to report about their parents' occupation, and to inform whether or not their father and mother were in full-time work, not working but looking for work, or other status.

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.

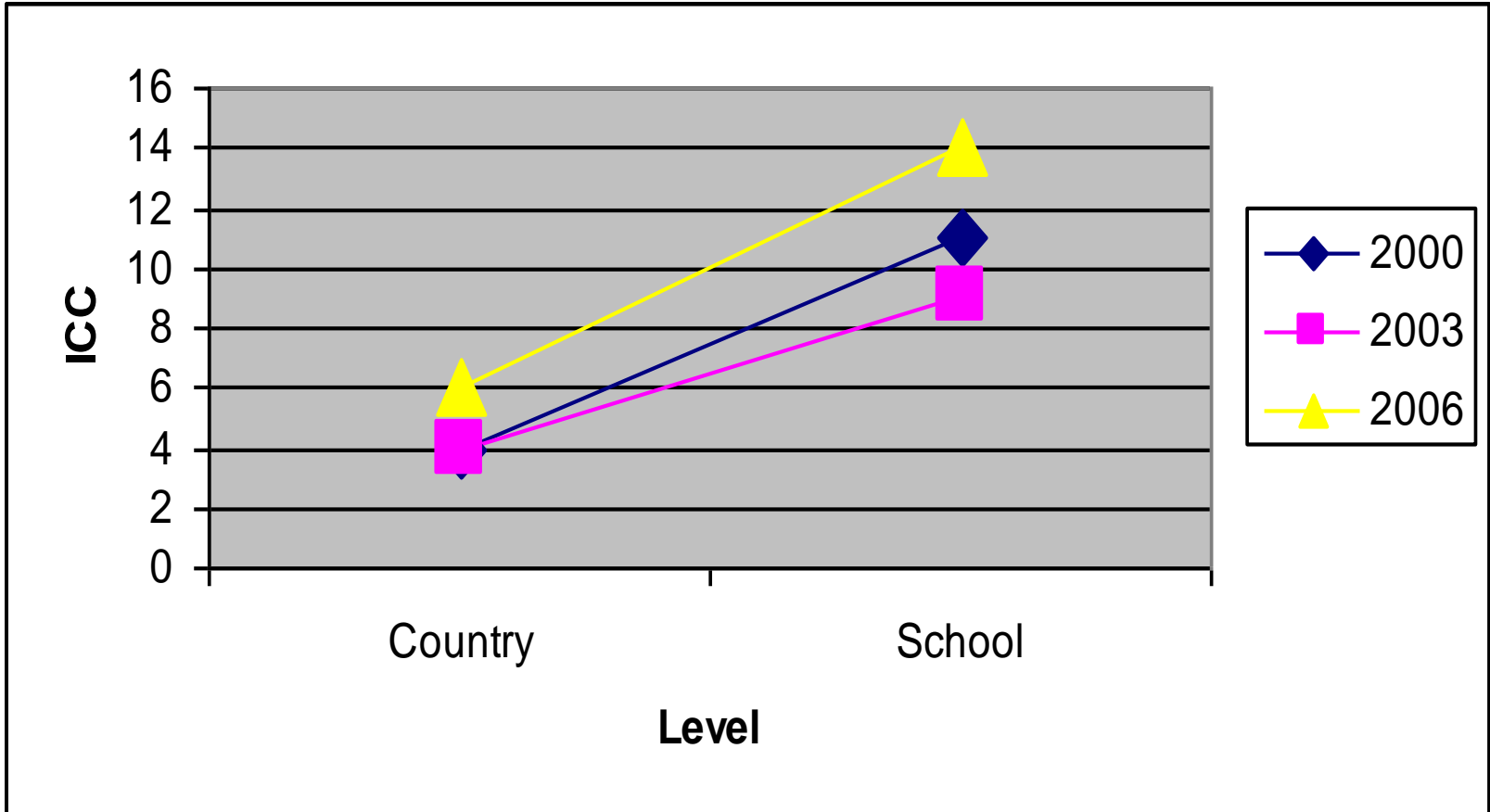




Model 1	2000	2003	2006
readMean	514	508	504
country	308	327	505
school	915	709	1249
student	7493	6623	6914
total	8716	7658	8668

# Development of between-country and between-school

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



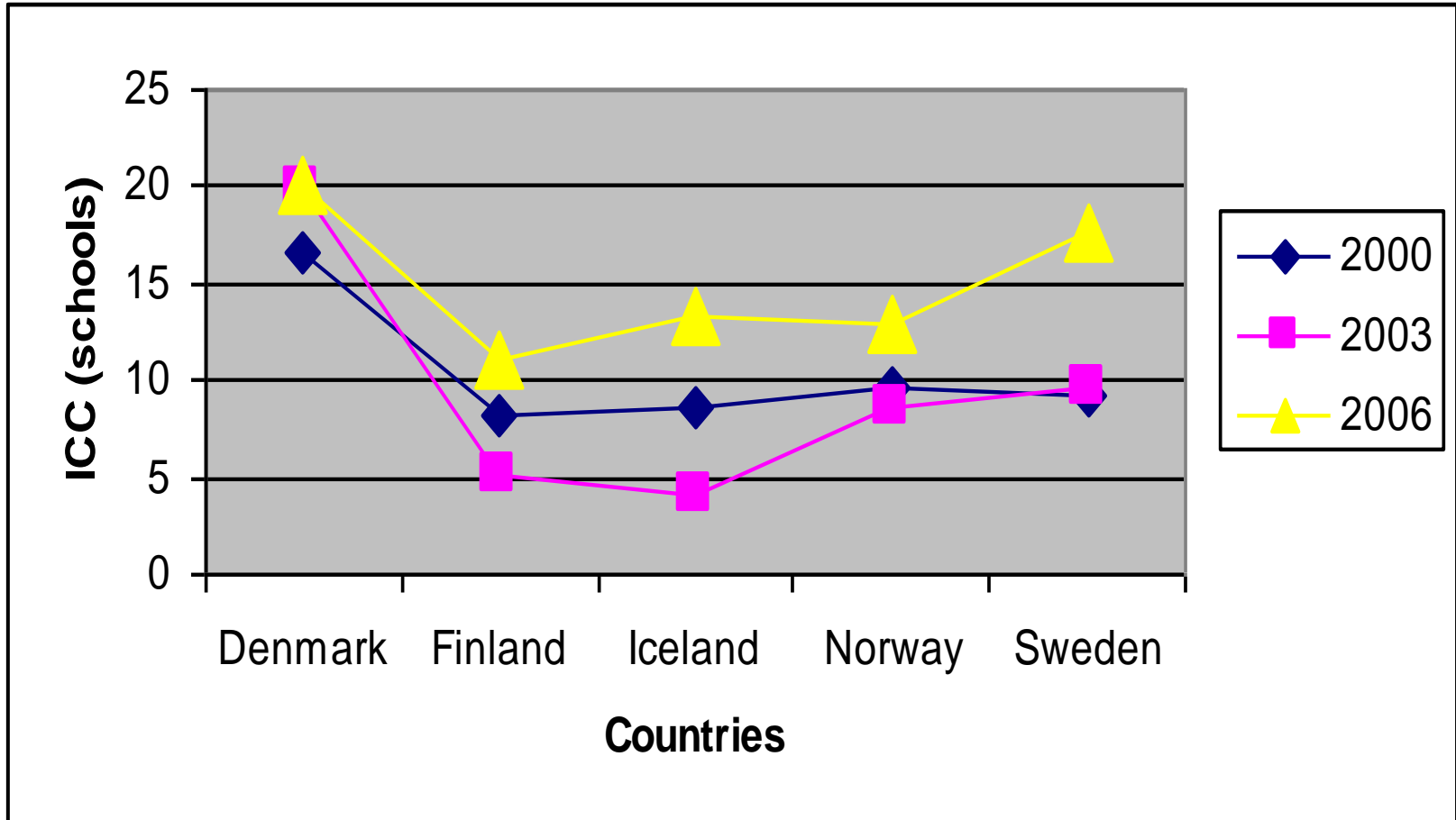
Model 2	<b>2000</b>	se	<b>2003</b>	se	<b>2006</b>	se
Reading	<b>445</b>	8,02	<b>448</b>	8,34	<b>442</b>	10,58
country	<b>298</b>	191,80	<b>328</b>	209,86	<b>537</b>	344,16
school	<b>559</b>	42,70	<b>493</b>	36,74	<b>930</b>	58,54
student	<b>6872</b>	69,50	<b>6147</b>	60,45	<b>6209</b>	61,27
total	<b>7729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

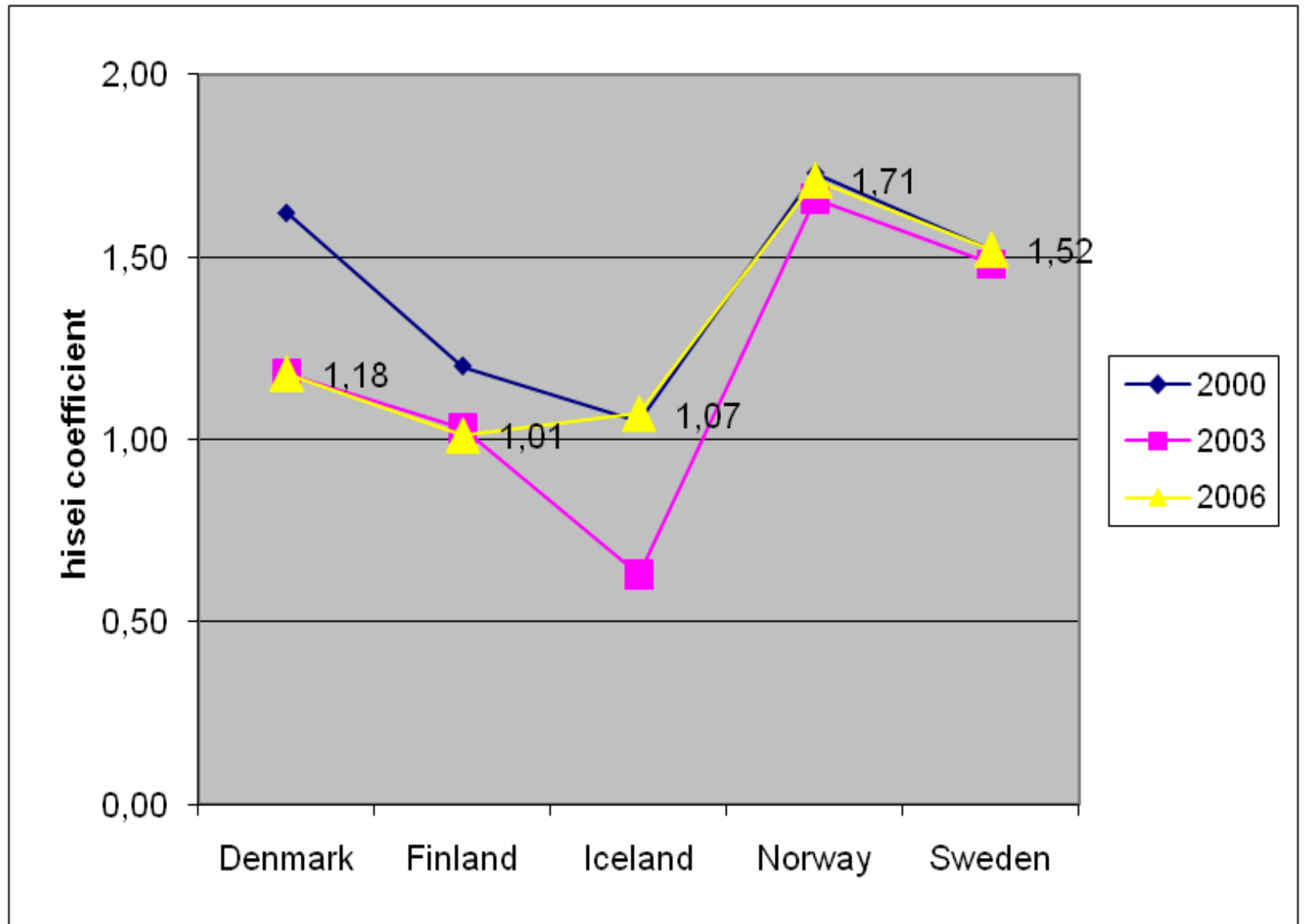


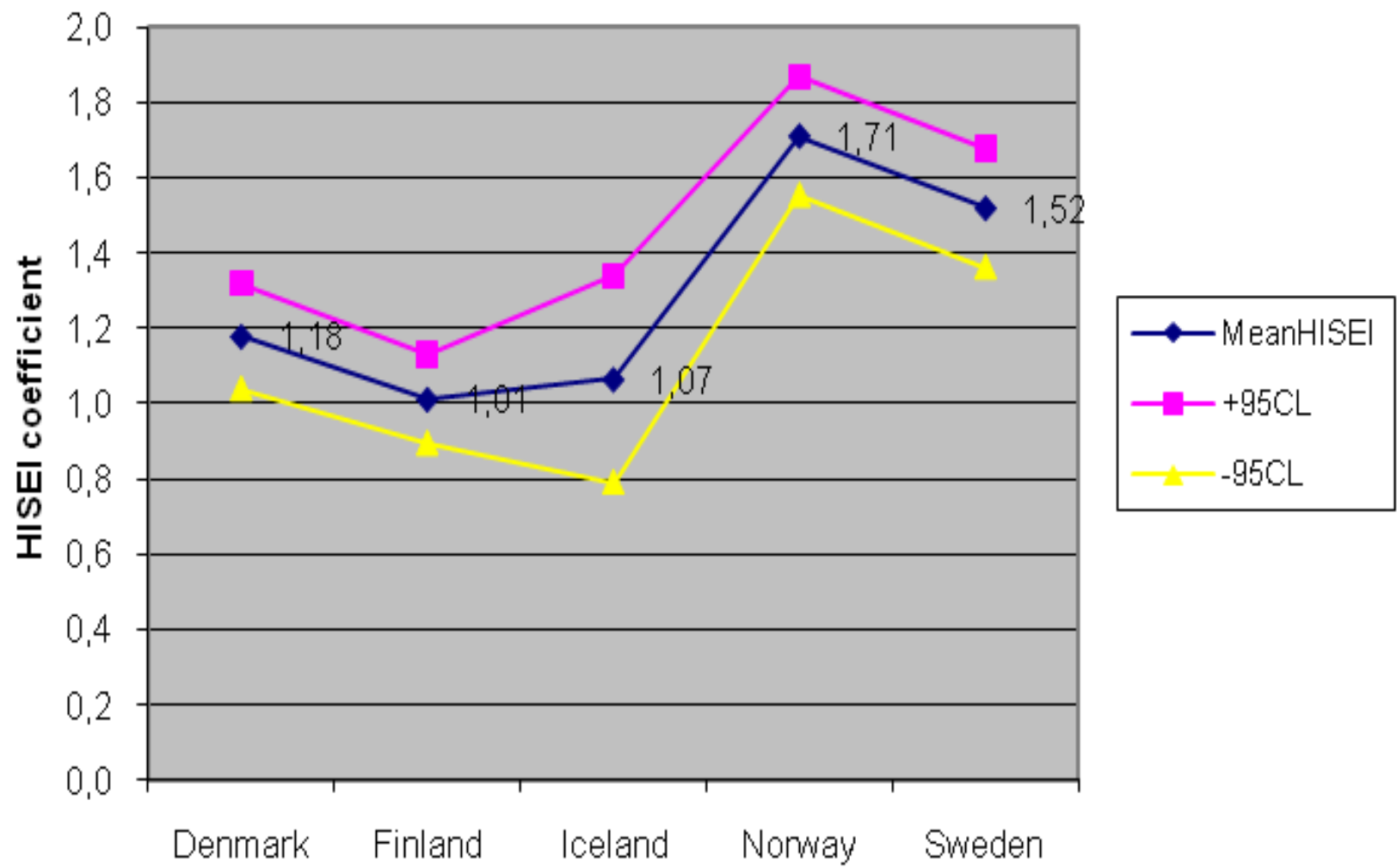
Column1	2000	se	2003	se	2006	se
readMean	<b>444</b>	11,66	<b>448</b>	11,74	<b>441</b>	14,20
country	<b>655</b>	416,50	<b>668</b>	424,30	<b>979</b>	623,30
school	<b>548</b>	42,20	<b>475</b>	35,80	<b>916</b>	57,70
student	<b>6861</b>	69,40	<b>6126</b>	60,20	<b>6195</b>	61,14
total	<b>8064</b>		<b>7269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

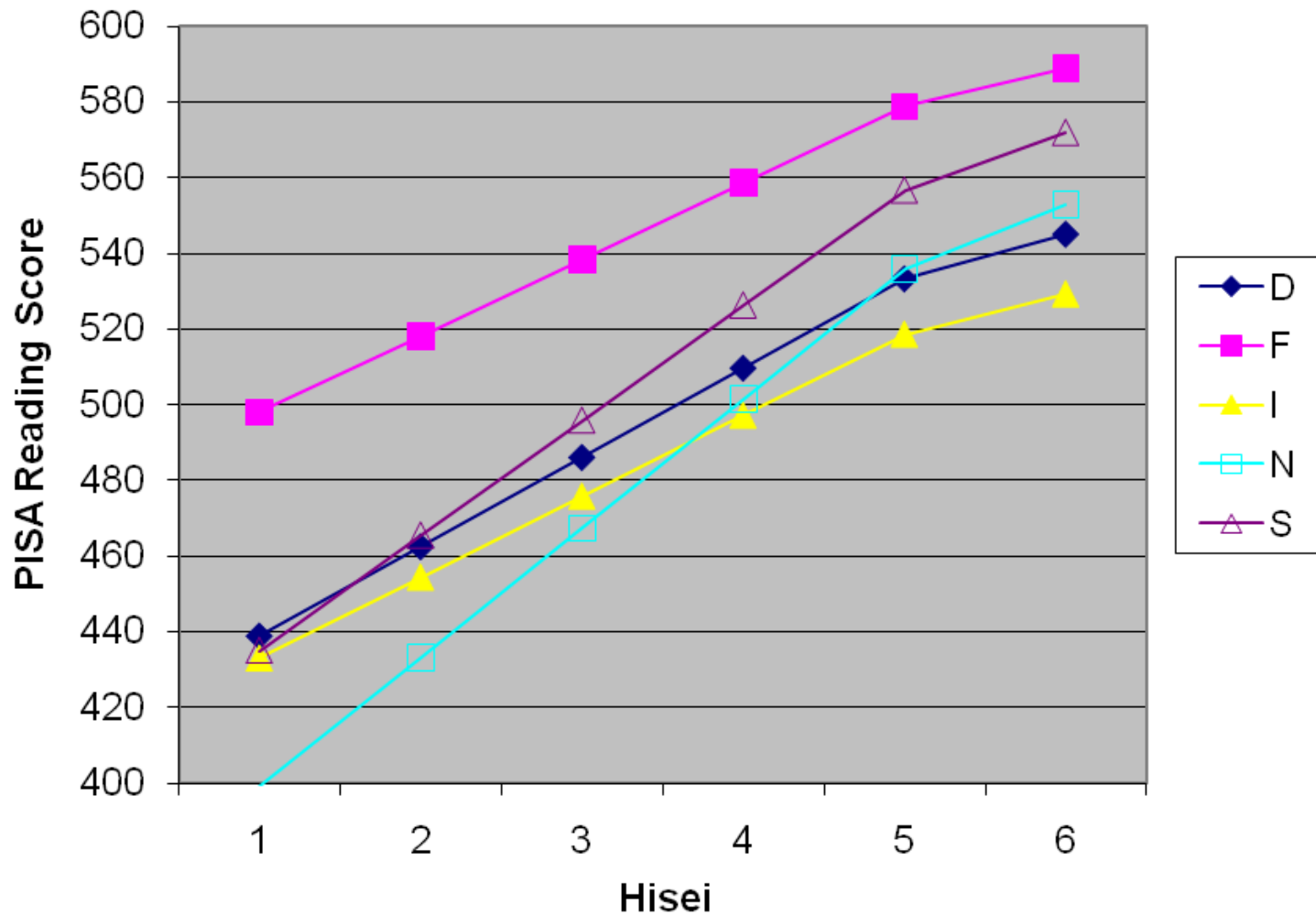
		HISEI	School variance	exp%	Pupil variance	exp%
<b>Denmark</b>	basic 2-level model		1467		5889	
	with HISEI	1,18	1063	28,00	5403	8,30
<b>Finland</b>	basic 2-level model		660		5253	
	with HISEI	1,01	542	18,00	4895	6,80
<b>Iceland</b>	basic 2-level model		1166		7571	
	with HISEI	1,07	1041	11,00	6952	8,20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

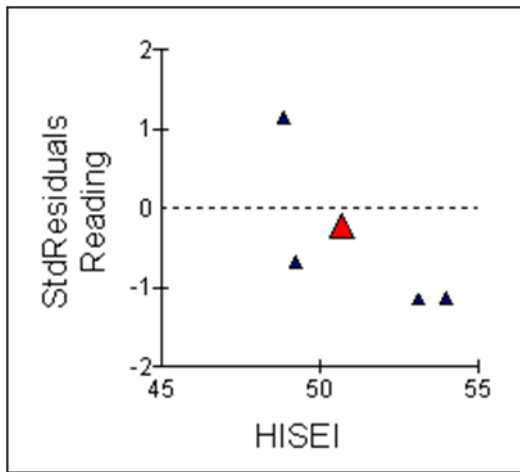
# Development of between-school differences (ICC) in Nordic countries: 2000, 2003 & 2006 by countries



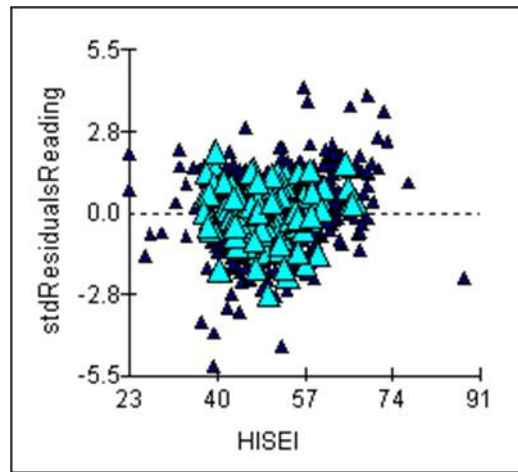




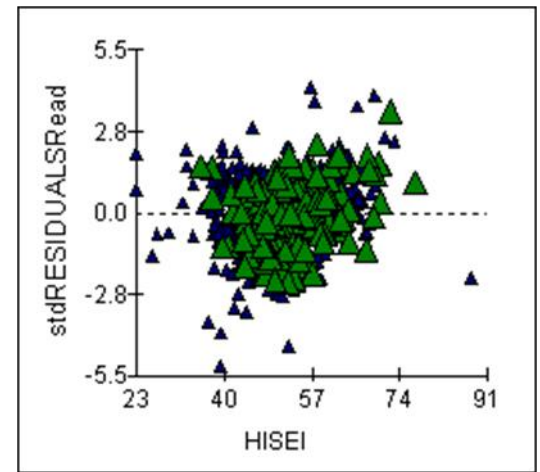




Nordic Countries 2006  
Sweden



Finland  
Denmark



Norway  
Iceland

Units are schools with their mean HISEI and PISA Reading Score

