

TABLES

Table 1: NCDS Academic self-concept at age 16 (1974)

	Maths				English				Science			
	Male		Female		Male		Female		Male		Female	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
<b>Below average</b>	1388	23	1813	31	889	15	414	7	1490	25	1458	26
<b>Average</b>	3316	54	3179	55	3809	62	3910	67	2748	46	2472	44
<b>Above average</b>	1289	21	621	11	1371	22	1480	25	1127	19	512	9
<b>Never studied</b>	103	2	199	3	38	1	23	0	589	10	1201	21
<b>Total</b>	6096	100	5812	100	6107	100	5827	100	5954	100	5643	100

Table 2: NCDS Test Score Means

			Male	Female
Age 7	Maths	Mean	<b>52.2***</b>	50.0
		N	7645	7253
		Std. Deviation	25.0	24.8
	Reading	Mean	74.8	<b>81.0***</b>
		N	7674	7257
		Std. Deviation	24.8	22.3
	Copying designs	Mean	<b>58.8**</b>	58.1
		N	7635	7236
		Std. Deviation	16.7	16.7
	Draw-a-man	Mean	44.4	<b>45.6***</b>
		N	7530	7118
		Std. Deviation	13.4	13.3
Age 11	Maths	Mean	<b>42.0*</b>	41.1
		N	7255	6874
		Std. Deviation	26.5	25.2
	Reading	Mean	45.5	45.8
		N	7257	6876
		Std. Deviation	18.7	17.2
	Verbal Reasoning	Mean	52.6	<b>57.8***</b>
		N	7256	6878
		Std. Deviation	23.7	22.8
	Non-verbal Reasoning	Mean	51.9	<b>52.5*</b>
		N	7256	6878
		Std. Deviation	19.2	18.9
Age 16	Maths	Mean	<b>43.2***</b>	39.0
		N	6104	5817
		Std. Deviation	23.4	21.4
	Reading	Mean	72.4	72.2
		N	6129	5858
		Std. Deviation	21.0	20.0



Table 3: NCDS Teacher Assessments (Age 7, 1965)

	Reading				Oral				Creativity				<i>Number</i>			
	Male		Female		Male		Female		Male		Female		Male		<i>Female</i>	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
<b>Exceptional</b>	367	4.8	617	8.5	763	9.9	907	12.4	199	2.6	202	2.8	281	3.6	188	2.6
<b>Above average</b>	1547	20.1	2042	28.0	1046	13.6	1124	15.4	1131	14.7	1359	18.6	1425	18.5	1253	17.2
<b>Average</b>	3283	42.7	3192	43.7	3942	51.1	3983	54.5	3646	47.4	3499	47.9	3303	42.9	3236	44.3
<b>Below average</b>	2185	28.4	1281	17.5	1566	20.3	1080	14.8	2411	31.3	2021	27.7	2386	31.0	2362	32.3
<b>Very limited</b>	311	4.0	168	2.3	392	5.1	214	2.9	313	4.1	220	3.0	313	4.1	266	3.6
<b>Total</b>	7693	100. 0	7300	100. 0	7709	100. 0	7308	100. 0	7700	100. 0	7301	100. 0	7708	100. 0	7305	100. 0

Table 4: NCDS Teacher Assessments (Age 11, 1969)

	Number				Book Use				General Knowledge			
	Male		Female		Male		Female		Male		Female	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
<b>Exceptional</b>	318	4.4	247	3.6	281	3.9	386	5.6	266	3.7	128	1.9
<b>Above average</b>	1458	20.2	1450	21.2	1606	22.2	2006	29.2	1774	24.5	1441	21.0
<b>Average</b>	2616	36.2	2684	39.2	3277	45.3	3287	47.9	3103	42.8	3182	46.4
<b>Below average</b>	2404	33.3	2164	31.6	1794	24.8	1075	15.7	1831	25.3	1876	27.4
<b>Very limited</b>	426	5.9	306	4.5	278	3.8	108	1.6	269	3.7	230	3.4
<b>Total</b>	7222	100.0	6851	100.0	7236	100.0	6862	100.0	7243	100.0	6857	100.0

Table 5: Maths self-concept, binary logistic regression

	Model 1	Model 2	Model 3	Model 4
	Exp(B)	Exp(B)	Exp(B)	Exp(B)
<b>Sex=Male</b>	2.352***	2.201***	2.128***	2.405***
<b>Region</b>	***	**	**	***
North Western	0.881	0.880	0.873	0.932
North	0.761*	0.748*	0.773	0.793
East,West Riding	1.261	1.217	1.215	1.247
North Midlands	1.268	1.240	1.255	1.315*
East	0.994	0.962	0.978	1.012
London Sth. East	1.195	1.173	1.179	1.269*
South	1.068	1.028	1.073	1.133
South West	1.138	1.119	1.125	1.187
Midlands	0.955	0.913	0.949	1.014
Wales	0.808	0.779	0.759	0.759
Scotland				
<b>Social Class</b>				
Missing	0.708	0.727	0.713	0.731
Employer, manager, large	0.966	1.045	1.049	1.088
Employer, manager, small	1.136	1.161	1.186	1.216
professional	1.218	1.283	1.297	1.340*
own account	1.053	1.052	1.063	1.064
non-manual	1.069	1.127	1.145	1.160
skilled manual	1.078	1.100	1.112	1.117
semi and unskilled manual				
<b>Parents' age on leaving education</b>	***	***	***	***
Missing	0.914	0.932	0.851	0.874
19+	1.450***	1.531***	1.516***	1.570***
17-18	1.214*	1.241*	1.249*	1.274**
16	1.164	1.138	1.127	1.137

15 or less				
<b>Family structure</b>				*
Missing	1.037	1.018	1.029	1.030
Other	0.801*	0.785	0.770*	0.760*
Same 2 parents sweep 1-3				
<b>Number of children</b>				
Missing	1.059	1.086	1.156	1.172
only child	1.017	1.100	1.118	1.128
1 sibling	1.018	1.055	1.074	1.081
2	.996	1.014	1.002	1.011
3	0.982	0.993	0.986	0.988
4+				
<b>Child's position in birth order</b>				
Missing	1.433	1.543	1.577	1.545
1	1.001	1.091	1.103	1.099
2	0.935	0.976	0.973	0.972
3	0.902	0.936	0.930	0.926
4+				
<b>Test Scores: Arithmetic age 7</b>	1.333***	1.398***	1.301***	1.309***
Draw-a-man age 7	0.958	0.977	0.979	0.979
Copying designs age 7	0.998	0.988	0.984	0.987
Maths age 11	2.501***	3.391***	2.874***	2.932***
Non-verbal reasoning age 11	1.202***	1.448***	1.418***	1.415***
Arithmetic 7 missing	1.441	1.442	1.292	1.276
Draw-a-man missing	0.815	0.797	0.738	0.742
Copying designs missing	0.692	0.654	0.610	0.609
Maths 11 missing	3.328	2.531	1.719	1.797
Non-verbal reasoning missing	0.201	0.000	0.000	0.000
Reading age 11		0.752***	0.761***	0.763***
Reading age 7		0.913*	0.929	0.937

Verbal reasoning age 11		0.747***	0.745***	0.753***
Reading 11 missing		0.999	0.999	1.000
Reading 7 missing		1.100	1.052	1.069
<b>Teacher assessment reading age 7</b>				
Missing			0.934	0.970
Exceptional			0.840	0.855
Above average			0.812	0.825
Average			0.909	0.912
Below average			0.772	0.764
Very limited				
<b>Teacher assessment oral age 7</b>				
Missing			1.278	1.455
Exceptional			.996	1.013
Above average			.942	.956
Average			.911	.919
Below average			1.050	1.053
Very limited				
<b>Teacher assessment creativity age 7</b>				
Missing			1.474	1.533
Exceptional			1.749	1.667
Above average			1.125	1.106
Average			1.337	1.319
Below average			1.217	1.206
Very limited				
<b>Teacher assessment number age 7</b>			***	***
Missing			0.463	0.374
Exceptional			1.924	1.911
Above average			1.264	1.251
Average			1.026	1.007
Below average			1.003	0.994



Very limited				
<b>Teacher assessment general knowledge age 11</b>				*
Missing			2.219	2.199
Exceptional			1.014	1.034
Above average			0.705	0.694
Average			0.690	0.669
Below average			0.658	0.650
Very limited				
<b>Teacher assessment book use age 11</b>			*	*
Missing			0.205	0.183
Exceptional			0.391*	0.391*
Above average			0.366**	0.363**
Average			0.393**	0.382**
Below average			0.558	0.545
Very limited				
<b>Teacher assessment number age 11</b>			***	***
Missing			2.363	2.478
Exceptional			3.508***	3.555***
Above average			1.961*	1.972*
Average			1.384	1.355
Below average			0.921	0.910
Very limited				
<b>Teacher assessment oral age 11</b>				
Missing			0.374	0.400
Exceptional			0.688	0.698
Above average			0.759	0.782
Average			0.896	0.920
Below average			0.954	0.974
Very limited				
<b>School</b>				*

Special, other or missing				1.088
Private				0.825
Grammar and Technical				0.751**
Secondary Modern				1.030
Comprehensive				
<b>School sex</b>				*
Missing				1.327
Boys				0.820*
Girls				1.208
Co-ed				
Constant	0.105***	0.099***	0.301	0.275
Degrees of freedom	43	48	88	95
Change in log likelihood		93.789***	156.568***	24.479***
Model chi square	2014.955***	2108.744***	2265.313***	2289.791***
N	11521	11521	11521	11521

Table 5: Maths self-concept, binary logistic regression

	Model 1	Model 2	Model 3	Model 4
	Exp(B)	Exp(B)	Exp(B)	Exp(B)
<b>Sex=Male</b>	2.352***	2.201***	2.128***	2.405***
<b>Region</b>	***	**	**	***
North Western	0.881	0.880	0.873	0.932
North	0.761*	0.748*	0.773	0.793
East, West Riding	1.261	1.217	1.215	1.247
North Midlands	1.268	1.240	1.255	1.315*
East	0.994	0.962	0.978	1.012
London Sth. East	1.195	1.173	1.179	1.269*
South	1.068	1.028	1.073	1.133
South West	1.138	1.119	1.125	1.187
Midlands	0.955	0.913	0.949	1.014

Wales	0.808	0.779	0.759	0.759
Scotland				
<b>Social Class</b>				
Missing	0.708	0.727	0.713	0.731
Employer, manager, large	0.966	1.045	1.049	1.088
Employer, manager, small	1.136	1.161	1.186	1.216
professional	1.218	1.283	1.297	1.340*
own account	1.053	1.052	1.063	1.064
non-manual	1.069	1.127	1.145	1.160
skilled manual	1.078	1.100	1.112	1.117
semi and unskilled manual				
<b>Parents' age on leaving education</b>	***	***	***	***
Missing	0.914	0.932	0.851	0.874
19+	1.450***	1.531***	1.516***	1.570***
17-18	1.214*	1.241*	1.249*	1.274**
16	1.164	1.138	1.127	1.137
15 or less				
<b>Family structure</b>				*
Missing	1.037	1.018	1.029	1.030
Other	0.801*	0.785	0.770*	0.760*
Same 2 parents sweep 1-3				
<b>Number of children</b>				
Missing	1.059	1.086	1.156	1.172
only child	1.017	1.100	1.118	1.128
1 sibling	1.018	1.055	1.074	1.081
2	.996	1.014	1.002	1.011
3	0.982	0.993	0.986	0.988
4+				
<b>Child's position in birth order</b>				
Missing	1.433	1.543	1.577	1.545

1	1.001	1.091	1.103	1.099
2	0.935	0.976	0.973	0.972
3	0.902	0.936	0.930	0.926
4+				
<b>Test Scores: Arithmetic age 7</b>	<b>1.333***</b>	<b>1.398***</b>	<b>1.301***</b>	<b>1.309***</b>
Draw-a-man age 7	0.958	0.977	0.979	0.979
Copying designs age 7	0.998	0.988	0.984	0.987
Maths age 11	2.501***	3.391***	2.874***	2.932***
Non-verbal reasoning age 11	1.202***	1.448***	1.418***	1.415***
Arithmetic 7 missing	1.441	1.442	1.292	1.276
Draw-a-man missing	0.815	0.797	0.738	0.742
Copying designs missing	0.692	0.654	0.610	0.609
Maths 11 missing	3.328	2.531	1.719	1.797
Non-verbal reasoning missing	0.201	0.000	0.000	0.000
Reading age 11		0.752***	0.761***	0.763***
Reading age 7		0.913*	0.929	0.937
Verbal reasoning age 11		0.747***	0.745***	0.753***
Reading 11 missing		0.999	0.999	1.000
Reading 7 missing		1.100	1.052	1.069
<b>Teacher assessment reading age 7</b>				
Missing			0.934	0.970
Exceptional			0.840	0.855
Above average			0.812	0.825
Average			0.909	0.912
Below average			0.772	0.764
Very limited				
<b>Teacher assessment oral age 7</b>				
Missing			1.278	1.455
Exceptional			.996	1.013
Above average			.942	.956

Average			.911	.919
Below average			1.050	1.053
Very limited				
<b>Teacher assessment creativity age 7</b>				
Missing			1.474	1.533
Exceptional			1.749	1.667
Above average			1.125	1.106
Average			1.337	1.319
Below average			1.217	1.206
Very limited				
<b>Teacher assessment number age 7</b>			***	***
Missing			0.463	0.374
Exceptional			1.924	1.911
Above average			1.264	1.251
Average			1.026	1.007
Below average			1.003	0.994
Very limited				
<b>Teacher assessment general knowledge age 11</b>				*
Missing			2.219	2.199
Exceptional			1.014	1.034
Above average			0.705	0.694
Average			0.690	0.669
Below average			0.658	0.650
Very limited				
<b>Teacher assessment book use age 11</b>			*	*
Missing			0.205	0.183
Exceptional			0.391*	0.391*
Above average			0.366**	0.363**
Average			0.393**	0.382**
Below average			0.558	0.545

Very limited				
<b>Teacher assessment number age 11</b>			***	***
Missing			2.363	2.478
Exceptional			3.508***	3.555***
Above average			1.961*	1.972*
Average			1.384	1.355
Below average			0.921	0.910
Very limited				
<b>Teacher assessment oral age 11</b>				
Missing			0.374	0.400
Exceptional			0.688	0.698
Above average			0.759	0.782
Average			0.896	0.920
Below average			0.954	0.974
Very limited				
<b>School</b>				*
Special, other or missing				1.088
Private				0.825
Grammar and Technical				0.751**
Secondary Modern				1.030
Comprehensive				
<b>School sex</b>				*
Missing				1.327
Boys				0.820*
Girls				1.208
Co-ed				
Constant	0.105***	0.099***	0.301	0.275
Degrees of freedom	43	48	88	95
Change in log likelihood		93.789***	156.568***	24.479***
Model chi square	2014.955***	2108.744***	2265.313***	2289.791***

N	11521	11521	11521	11521
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Table 6: English self-concept, binary logistic regression

	Model 1	Model 2	Model 3	Model 4
	Exp(B)	Exp(B)	Exp(B)	Exp(B)
<b>Sex=Male</b>	0.840***	0.894*	0.991	0.796***
<b>Region</b>	**	**	**	**
North Western	0.964	0.989	0.931	0.964
North	1.231	1.270*	1.233	1.274*
East,West Riding	1.190	1.222	1.153	1.173
North Midlands	1.195	1.206	1.136	1.179
East	1.039	1.064	1.029	1.058
London Sth. East	1.108	1.125	1.083	1.108
South	1.208	1.231	1.196	1.230
South West	1.235	1.255*	1.204	1.253*
Midlands	1.208	1.218	1.170	1.227
Wales	0.755*	0.767*	0.749*	0.746*
Scotland				
<b>Social Class</b>				
Missing	1.366*	1.378*	1.368*	1.392*
Employer, manager, large	0.992	1.022	0.992	1.037
Employer, manager, small	1.006	1.044	1.019	1.034
professional	1.131	1.210	1.164	1.206
own account	1.032	1.045	1.030	1.029
non-manual	1.190	1.214*	1.159	1.178
skilled manual	1.156	1.162*	1.143	1.142
semi and unskilled manual				
<b>Parents' age on leaving education</b>	***	***	***	***
Missing	0.946	0.935	0.929	0.923
19+	1.495***	1.536***	1.441***	1.491***

17-18	1.122	1.150	1.116	1.128
16	1.039	1.040	1.029	1.023
15 or less				
<b>Family structure</b>				
Missing	1.001	0.998	0.988	0.989
Other	1.037	1.042	1.050	1.038
Same 2 parents sweep 1-3				
<b>Number of children</b>				
Missing	1.214	1.236	1.232	1.245
only child	1.102	1.103	1.100	1.095
1 sibling	1.071	1.078	1.080	1.080
2	1.008	1.010	1.005	1.000
3	1.022	1.033	1.041	1.043
4+				
<b>Child's position in birth order</b>	**	**	*	*
Missing	1.169	1.169	1.130	1.119
1	1.456**	1.456**	1.392**	1.401**
2	1.234	1.245	1.210	1.232
3	1.226	1.219	1.199	1.202
4+				
<b>Test scores: Reading age 11</b>	1.962***	2.050***	1.825***	1.834***
Reading age 7	1.215***	1.236***	1.078	1.086
Verbal reasoning age 11	0.933*	1.189***	1.118*	1.120*
Reading 11 missing	5.639	0.738	7.113	1.697
Reading 7 missing	1.031	0.884	0.866	0.825
Verbal reasoning 11 missing	0.000	0.000	0.000	0.000
Arithmetic age 7		0.926**	0.909***	0.909***
Draw-a-man age 7		1.099***	1.076**	1.080**
Copying designs age 7		0.986	0.979	0.980
Maths age 11		0.947	0.912	0.930



Non-verbal reasoning age 11		0.749***	0.754***	0.753***
Arithmetic 7 missing		1.877*	1.756	1.706
Draw-a-man missing		0.733*	0.732*	0.731*
Copying designs missing		0.844	0.837	0.830
Maths 11 missing		2.894	3.089	3.026
<b>Teacher assessment reading age 7</b>			***	***
Missing			1.130	1.051
Exceptional			1.970*	1.997*
Above average			1.501	1.501
Average			1.271	1.252
Below average			0.955	0.957
Very limited				
<b>Teacher assessment oral age 7</b>				
Missing			0.190	0.197
Exceptional			0.872	0.856
Above average			0.838	0.829
Average			0.841	0.821
Below average			0.904	0.899
Very limited				
<b>Teacher assessment creativity age 7</b>			*	*
Missing			2.401	2.364
Exceptional			1.844*	1.865*
Above average			1.779*	1.779*
Average			1.479	1.476
Below average			1.472	1.456
Very limited				
<b>Teacher assessment number age 7</b>				
Missing			2.693	2.612
Exceptional			0.931	0.972
Above average			0.905	0.948

Average			0.932	0.975
Below average			0.918	0.955
Very limited				
<b>Teacher assessment general knowledge age 11</b>				
Missing			2.130	2.161
Exceptional			0.737	0.700
Above average			1.023	1.047
Average			1.114	1.115
Below average			1.016	1.010
Very limited				
<b>Teacher assessment book use age 11</b>			***	***
Missing			1.077	1.108
Exceptional			2.080*	2.216*
Above average			1.662	1.702
Average			1.274	1.293
Below average			0.849	0.879
Very limited				
<b>Teacher assessment number age 11</b>				
Missing			0.800	0.784
Exceptional			0.659	0.671
Above average			0.719	0.728
Average			0.803	0.791
Below average			0.802	0.786
Very limited				
<b>Teacher assessment oral age 11</b>			**	**
Missing			0.676	0.637
Exceptional			1.801	1.738
Above average			1.067	1.007
Average			0.954	0.897
Below average			0.848	0.808

Very limited				
<b>School</b>				***
Special, other or missing				0.938
Private				0.793*
Grammar and Technical				0.679***
Secondary Modern				1.001
Comprehensive				
<b>School sex</b>				***
Missing				1.383
Boys				1.649***
Girls				0.772**
Co-ed				
Constant	0.177***	0.164***	0.102***	0.126***
Degrees of freedom	39	48	88	95
Change in log likelihood		91.964***	149.445***	79.593***
Model chi square	1080.346***	1172.310***	1321.755***	1401.348***
N	11816	11816	11816	11816



		ed								ed			
		n	%	n	%	n	%	n	%	n	%	n	%
ENGLISH	Male	415	33.4	275	41.0	230	18.7	83	27.9	119	8.1	41	14.2
	Female	489	43.1	249	36.0	270	23.5	60	17.2	185	13.3	27	10.5
MATHS	Male	512	41.4	279	40.7	177	13.3	34	12.5	84	6.4	11	3.8
	Female	235	22.7	196	28.8	54	4.4	20	6.0	40	3.1	5	2.0
SCIENCE	Male	381	32.3	197	29.8	215	18.1	40	16.5	130	12.0	29	12.2
	Female	138	15.4	128	20.8	84	8.8	21	7.5	54	6.0	14	8.1