



## Appendix D

### Data Set

Howell and Huessy (1985) reported on a study of 386 children who had, and had not, exhibited symptoms of attention deficit disorder (ADD)—previously known as hyperkinesis or minimal brain dysfunction—during childhood. In 1965 teachers of all second-grade school children in a number of schools in northwestern Vermont were asked to complete a questionnaire for each of their students dealing with behaviors commonly associated with ADD. Questionnaires on these same children were again completed when the children were in the fourth and fifth grades and, for purposes of this data set only, those three scores were averaged to produce a score labeled ADDSC. The higher the score, the more ADD-like behaviors the child exhibited. At the end of ninth grade and again at the end of 12th grade, information on the performances of these children was obtained from school records. These data offer the opportunity to examine questions about whether later behavior can be predicted from earlier behavior and to examine academically related variables and their interrelationships. A description of each variable follows.

ADDSC	Average of three ADD-like behavior scores
GENDER	1 = male; 2 = female
REPEAT	1 = repeated at least one grade; 0 = did not repeat
IQ	IQ obtained from a group-administered IQ test
ENGL	Level of English in ninth grade: 1 = college prep; 2 = general; 3 = remedial
ENGG	Grade in English in ninth grade: 4 = A, etc.
GPA	Grade point average in ninth grade
SOCPROB	Social problems in ninth grade: 1 = yes; 0 = no
DROPOUT	1 = dropped out before completing high school; 0 = did not drop out

The data are available at <http://www.uvm.edu/~dhowell/fundamentals9/DataFiles/Add.dat>

A D D S C	G E N D E R	R E P E A T	I Q	E N G L	E N G G	G P A	S O C P R O B	D R O P O U T
45	1	0	111	2	3	2.60	0	0
50	1	0	102	2	3	2.75	0	0
49	1	0	108	2	4	4.00	0	0
55	1	0	109	2	2	2.25	0	0
39	1	0	118	2	3	3.00	0	0
68	1	1	79	2	2	1.67	0	1
69	1	1	88	2	2	2.25	1	1
56	1	0	102	2	4	3.40	0	0
58	1	0	105	3	1	1.33	0	0
48	1	0	92	2	4	3.50	0	0
34	1	0	131	2	4	3.75	0	0
50	2	0	104	1	3	2.67	0	0
85	1	0	83	2	3	2.75	1	0
49	1	0	84	2	2	2.00	0	0
51	1	0	85	2	3	2.75	0	0
53	1	0	110	2	2	2.50	0	0
36	2	0	121	1	4	3.55	0	0
62	2	0	120	2	3	2.75	0	0
46	2	0	100	2	4	3.50	0	0
50	2	0	94	2	2	2.75	1	1
47	2	0	89	1	2	3.00	0	0
50	2	0	93	2	4	3.25	0	0
44	2	0	128	2	4	3.30	0	0
50	2	0	84	2	3	2.75	0	0
29	2	0	127	1	4	3.75	0	0
49	2	0	106	2	3	2.75	0	0
26	1	0	137	2	3	3.00	0	0
85	1	1	82	3	2	1.75	1	1
53	1	0	106	2	3	2.75	1	0
53	1	0	109	2	2	1.33	0	0
72	1	0	91	2	2	0.67	0	0
35	1	0	111	2	2	2.25	0	0
42	1	0	105	2	2	1.75	0	0
37	1	0	118	2	4	3.25	0	0
46	1	0	103	3	2	1.75	0	0

A D D S C	G E N D E R	R E P E A T	I Q	E N G L	E N G G	G P A	S O C P R O B	D R O P O U T
48	1	0	101	1	3	3.00	0	0
46	1	0	101	3	3	3.00	0	0
49	1	1	95	2	3	3.00	0	0
65	1	1	108	2	3	3.25	0	0
52	1	0	95	3	3	2.25	1	0
75	1	1	98	2	1	1.00	0	1
58	1	0	82	2	3	2.50	0	1
43	2	0	100	1	3	3.00	0	0
60	2	0	100	2	3	2.40	0	0
43	1	0	107	1	2	2.00	0	0
51	1	0	95	2	2	2.75	0	0
70	1	1	97	2	3	2.67	1	1
69	1	1	93	2	2	2.00	0	0
65	1	1	81	1	2	2.00	0	0
63	2	0	89	2	2	1.67	0	0
44	2	0	111	2	4	3.00	0	0
61	2	1	95	2	1	1.50	0	1
40	2	0	106	2	4	3.75	0	0
62	2	0	83	3	1	0.67	0	0
59	1	0	81	2	2	1.50	0	0
47	2	0	115	1	4	4.00	0	0
50	2	0	112	2	3	3.00	0	0
50	2	0	92	2	3	2.33	0	0
65	2	0	85	2	2	1.75	0	0
54	2	0	95	3	2	3.00	0	0
44	2	0	115	2	4	3.75	0	0
66	2	0	91	2	4	2.67	1	1
34	2	0	107	1	4	3.50	0	0
74	2	0	102	2	0	0.67	0	0
57	2	1	86	3	3	2.25	0	0
60	2	0	96	1	3	3.00	1	0
36	2	0	114	2	3	3.50	0	0
50	1	0	105	2	2	1.75	0	0
60	1	0	82	2	1	1.00	0	0
45	1	0	120	2	3	3.00	0	0
55	1	0	88	2	1	1.00	0	1
44	1	0	90	1	3	2.50	0	0

A D D S C	G E N D E R	R E P E A T	I Q	E N G L	E N G G	G P A	S O C P R O B	D R O P O U T
57	2	0	85	2	3	2.50	0	0
33	2	0	106	1	4	3.75	0	0
30	2	0	109	1	4	3.50	0	0
64	1	0	75	3	2	1.00	1	0
49	1	1	91	2	3	2.25	0	0
76	1	0	96	2	2	1.00	0	0
40	1	0	108	2	3	2.50	0	0
48	1	0	86	2	3	2.75	0	0
65	1	0	98	2	2	0.75	0	0
50	1	0	99	2	2	1.30	0	0
70	1	0	95	2	1	1.25	0	0
78	1	0	88	3	3	1.50	0	0
44	1	0	111	2	2	3.00	0	0
48	1	0	103	2	1	2.00	0	0
52	1	0	107	2	2	2.00	0	0
40	1	0	118	2	2	2.50	0	0