

Teaching Aid

A set of item responses for 200 people to 14 items are given, along with the a, b and c parameters and the θ values. Using this data set, or a subset of it, item characteristic curves could be plotted, iterative exercises to estimate a θ most likely to result in a given item response vector, and a general examination of the data set (to observe higher θ s don't invariably result in higher raw scores, more difficult items aren't always missed more often than easier items etc) can be performed.

Item parameter for 14 items

	a	b	c
1.	0.877432	0.516125	0.120707
2.	0.877432	0.051624	0.197362
3.	1.361859	0.516125	0.197362
4.	0.877432	-0.180629	0.197362
5.	0.877432	1.445147	0.273179
6.	1.361859	-0.645147	0.273179
7.	0.407282	0.283875	0.051257
8.	0.877432	-0.877415	0.197362
9.	0.638033	0.051624	0.051257
10.	0.407282	-0.645147	0.051257
11.	0.877432	0.748376	0.051257
12.	1.361859	0.516125	0.197362
13.	0.200808	0.283875	0.120707
14.	0.877432	0.980629	0.197362

49.	-0.8396	00010000110100
50.	1.1594	11111111011101
51.	0.9195	10011111111111
52.	0.0400	01010001110000
53.	-0.3598	01011101110000
54.	0.5197	10111101000110
55.	0.3598	00110111010000
56.	1.8790	11111111010111
57.	-0.6796	10000001000011
58.	0.8396	11110111010110
59.	0.5197	01110111110110
60.	0.1199	01010111010100
61.	0.3598	01011101010000
62.	-0.3598	01010101011011
63.	-1.4792	00101100100000
64.	1.7990	11111111101111
65.	0.5197	11111011110101
66.	-0.8396	01001101010000
67.	0.1999	10010101111100
68.	-1.3193	00010101000000
69.	0.5197	01001111011110
70.	-0.3598	01011001000001
71.	0.4398	01010101011011
72.	-0.8396	00001101010100
73.	-0.1199	11000100111000
74.	0.0400	11111111110100
75.	-1.3193	00000101111010
76.	-0.8396	01010100000110
77.	-0.6796	10000111010110
78.	-0.0400	00000101010011
79.	1.3193	11110111111100
80.	1.1594	11110111111101
81.	-0.5997	00000101000101
82.	-1.3993	00010100100100
83.	-0.1999	00110101001101
84.	-0.1199	10101100111110
85.	0.6796	11110101011111
86.	-0.7596	11001010100010
87.	-1.0794	00000001100100
88.	-0.5997	00010011010110
89.	0.9195	11111111010011
90.	-0.1199	01110011010100
91.	-0.2799	01001111010101
92.	2.1988	11111111111111
93.	-0.0400	10110101010001
94.	0.4398	00000101010101
95.	-0.5997	01010011010000
96.	0.5197	11010101101011
97.	0.9195	11111111100101
98.	1.2393	01111111101111
99.	1.4792	10111111111111
100.	-0.9195	01000010010010
101.	-0.0400	01010110000000
102.	0.4398	00101001000001

