Sweave Example: Personality Test Report; ID = 2

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Abstract

This PDF is a simple proof of concept example of using Sweave to generate an individualised report based on responses to a personality test. The source code enables use of a batch command to generate a report for each individual in a data.frame. Copies and explanation of the source code used to generate the test can be found found at `http://jeromyanglim.blogspot.com/`. Item are drawn from a 50 item version of the IPIP: `http://ipip.ori.org/` The norm group is a convenience sample of 117 students at an Australian university.
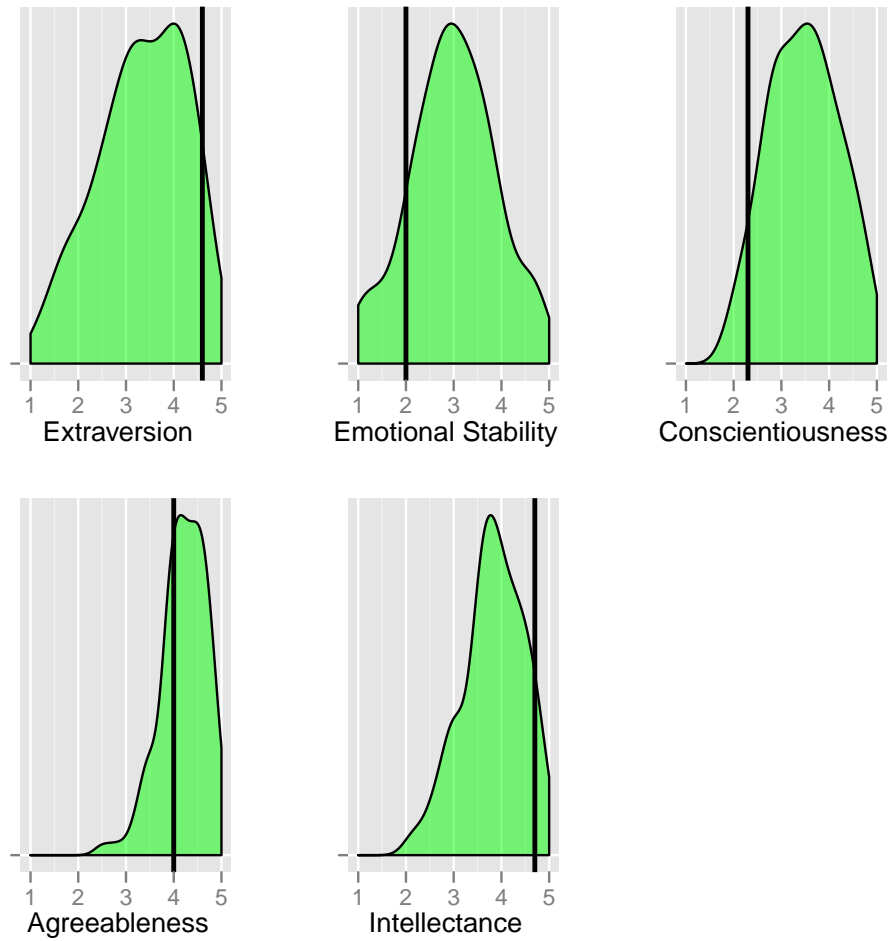
Figure 1: Figures show distributions of scores of each personality factor in the norm sample. Higher scores mean greater levels of the factor. The black vertical line indicates your score.

Table 1: Table of results for (A)greeableness, (C)onscientiousness and (E)motional (S)tability items. Response options were 1 = (V)ery (I)naccurate, 2 = (M)oderately (I)naccurate, 3 = (N)either Inaccurate nor Accurate, 4 = (M)oderately (A)ccurate 5 = (V)ery (A)ccurate. Thus, VI% indicates the percentage of the norm sample giving a response indicating that the item is a Very Inaccurate description of themselves. Your response is indicated with an asterisk (*).

	Scale	Item Text	M	SD	VI%	MI%	N%	MA%	VA%
2.	A-	I feel little concern for others	1.6	0.9	59	32	3	* 3	3
12.	A-	I insult people	1.9	1.1	50	21	15	*13	1
22.	A-	I am not interested in other peoples problems	1.7	0.8	*46	45	5	2	2
32.	A-	I am not really interested in others	1.7	0.7	44	*44	9	3	0
7.	A+	I am interested in people	4.4	0.8	1	2	8	36	*54
17.	A+	I sympathize with others feelings	4.4	0.7	0	0	9	*44	47
27.	A+	I have a soft heart	4.1	0.9	2	4	9	47	*38
37.	A+	I take time out for others	4.1	0.8	1	3	14	*47	35
42.	A+	I feel others emotions	4.2	0.6	0	0	12	55	*33
47.	A+	I make people feel at ease	3.7	0.9	2	6	28	*46	18
8.	C-	I leave my belongings around	2.7	1.4	29	21	15	24	*12
18.	C-	I make a mess of things	2.4	1.0	21	*34	27	15	2
28.	C-	I often forget to put things back in their proper place	2.6	1.3	26	29	16	*22	7
38.	C-	I shirk my duties	2.3	1.1	25	*34	28	9	3
3.	C+	I am always prepared	3.2	1.1	8	21	21	*40	10
13.	C+	I pay attention to details	3.9	1.0	* 1	9	18	42	30
23.	C+	I get chores done right away	2.8	1.2	*16	27	24	23	9
33.	C+	I like order	3.7	1.1	3	*14	18	43	22
43.	C+	I follow a schedule	3.4	1.1	4	*19	24	34	19
48.	C+	I am exacting in my work	3.6	0.9	1	* 9	37	34	20
4.	ES-	I get stressed out easily	3.4	1.3	10	21	15	*31	23
14.	ES-	I worry about things	3.7	1.0	3	*15	15	47	21
24.	ES-	I am easily disturbed	3.1	1.2	10	26	21	*30	13
29.	ES-	I get upset easily	2.9	1.3	19	24	21	*25	12
34.	ES-	I change my mood a lot	3.2	1.2	9	23	25	28	*15
39.	ES-	I have frequent mood swings	2.9	1.3	17	26	22	20	*15
44.	ES-	I get irritated easily	2.9	1.2	13	27	23	*26	10
49.	ES-	I often feel blue	2.4	1.3	30	34	15	13	* 9
9.	ES+	I am relaxed most of the time	3.3	1.1	7	18	26	*40	9
19.	ES+	I seldom feel blue	2.9	1.2	* 9	35	22	24	10

Table 2: Table of results for (E)xtraversion and (I)ntellectance. Response options were 1 = (V)ery (I)naccurate, 2 = (M)oderately (I)naccurate, 3 = (N)either Inaccurate nor Accurate, 4 = (M)oderately (A)ccurate 5 = (V)ery (A)ccurate. Thus, VI% indicates the percentage of the norm sample giving a response indicating that the item is a Very Inaccurate description of themselves. Your response is indicated with an asterisk (*).

	Scale	Item Text	M	SD	VI%	MI%	N%	MA%	VA%
6.	EX-	I don't talk a lot	2.4	1.2	*30	28	21	17	4
16.	EX-	I keep in the background	2.7	1.3	*17	30	27	13	13
26.	EX-	I have little to say	2.1	1.0	*32	43	13	12	1
36.	EX-	I don't like to draw attention to myself	3.1	1.2	* 6	35	24	17	18
46.	EX-	I am quiet around strangers	3.2	1.3	12	23	16	*29	20
1.	EX+	I am the life of the party	2.8	1.2	17	22	28	25	* 8
11.	EX+	I feel comfortable around people	3.9	1.0	3	8	18	39	*32
21.	EX+	I start conversations	3.6	1.1	5	11	20	42	*22
31.	EX+	I talk to a lot of different people at parties	3.2	1.3	12	21	16	*32	18
41.	EX+	I don't mind being the center of attention	3.2	1.3	13	17	21	32	*18
10.	I-	I have difficulty understanding abstract ideas	2.1	1.0	35	*35	18	11	1
20.	I-	I am not interested in abstract ideas	2.0	1.1	*38	37	12	11	2
30.	I-	I do not have a good imagination	1.9	1.0	*41	38	13	5	3
5.	I+	I have a rich vocabulary	3.6	1.1	3	15	24	38	*21
15.	I+	I have a vivid imagination	3.9	1.1	3	8	16	37	*36
25.	I+	I have excellent ideas	3.8	0.9	2	8	26	44	*21
35.	I+	I am quick to understand things	3.9	0.9	0	11	19	44	*26
40.	I+	I use difficult words	3.2	1.2	9	21	26	*32	12
45.	I+	I spend time reflecting on things	4.1	0.9	1	8	7	*45	39
50.	I+	I am full of ideas	3.8	1.0	3	7	21	45	*24