

## Independent Work

### Assignment 1

*A neurologist carried out an experiment to investigate the depressant effects of certain recreational drugs. She tested 20 clubbers in all: 10 were given an ecstasy tablet to take on a Saturday night and 10 were allowed only to drink alcohol. Levels of depression were measured using the Beck Depression Inventory (BDI) the day after and midweek.*

	BDI_1	BDI_2	Drug
1	15.00	28.00	1.00
2	35.00	35.00	1.00
3	16.00	25.00	1.00
4	18.00	24.00	1.00
5	19.00	39.00	1.00
6	17.00	32.00	1.00
7	27.00	27.00	1.00
8	16.00	29.00	1.00
9	13.00	36.00	1.00
10	20.00	35.00	1.00
11	16.00	5.00	2.00
12	15.00	6.00	2.00
13	20.00	30.00	2.00
14	15.00	8.00	2.00
15	16.00	9.00	2.00
16	13.00	7.00	2.00
17	14.00	6.00	2.00
18	19.00	17.00	2.00
19	18.00	3.00	2.00
20	18.00	10.00	2.00

Using what you know about entering data below into SPSS/PASW, Enter the data above into the SPSS/PASW Data Editor. Draw two bar charts; one to see whether ecstasy makes you more depressed than alcohol the day after (Sunday) and the other showing whether ecstasy makes you more depressed than alcohol midweek (Wednesday).

Then, calculate the difference scores (aka, Gains Scores) between Sunday and Wednesday and graph the difference.

### Assignment 2

*Shackelford et al. (2000) did a study to look at emotional reactions to infidelity (it's in Cognition & Emotion, 14, 643-659). The upshot is men get homicidal and suicidal and women feel undesirable and insecure. Let's imagine we did something similar: we took some men and women and got their partners to tell them they had slept with someone else. We then took each*

*person to two shooting galleries and each time gave them a gun and 100 bullets. In one gallery was a human shaped target with a picture of their own face on it, and in the other was a target with their partner's face on it. They were left alone with each target for 5 minutes and the number of bullets used was measured.*

Using what you know about entering data in to SPSS/PASW, enter the data below into the SPSS/PASW Data Editor. Draw a bar chart for males and females separately that shows the mean number of bullets used on the 'partner target' and 'self target'. Then do two graphs showing the means of males and females for the two types of target.

Last, create a Sex by Target graph of the data.

	bullets	target	sex
1	69.00	1.00	1.00
2	76.00	1.00	1.00
3	70.00	1.00	1.00
4	76.00	1.00	1.00
5	72.00	1.00	1.00
6	65.00	1.00	1.00
7	82.00	1.00	1.00
8	71.00	1.00	1.00
9	71.00	1.00	1.00
10	75.00	1.00	1.00
11	52.00	1.00	1.00
12	34.00	1.00	1.00
13	33.00	2.00	1.00
14	26.00	2.00	1.00
15	10.00	2.00	1.00
16	51.00	2.00	1.00
17	34.00	2.00	1.00
18	28.00	2.00	1.00
19	27.00	2.00	1.00
20	9.00	2.00	1.00
21	33.00	2.00	1.00
22	11.00	2.00	1.00
23	14.00	2.00	1.00
24	46.00	2.00	1.00

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25	70.00	1.00	2.00
26	74.00	1.00	2.00
27	64.00	1.00	2.00
28	43.00	1.00	2.00
29	51.00	1.00	2.00
30	93.00	1.00	2.00
31	48.00	1.00	2.00
32	51.00	1.00	2.00
33	74.00	1.00	2.00
34	73.00	1.00	2.00
35	41.00	1.00	2.00
36	84.00	1.00	2.00
37	97.00	2.00	2.00
38	80.00	2.00	2.00
39	88.00	2.00	2.00
40	100.00	2.00	2.00
41	100.00	2.00	2.00
42	58.00	2.00	2.00
43	95.00	2.00	2.00
44	83.00	2.00	2.00
45	97.00	2.00	2.00
46	89.00	2.00	2.00
47	69.00	2.00	2.00
48	82.00	2.00	2.00