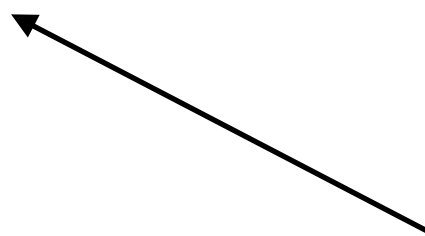


One factor with Three levels

- We are going to analyse eye movement data associated with reading a segment of text in one of three conditions - Positive, Negative, or Neutral.

```
1 #install the lme4, lsmeans and lmerTest packages first
2 install.packages ("lme4")
3 install.packages ("lmerTest")
4 install.packages ("emmeans")
5 library (lme4)
6 library (lmerTest)
7 library(emmeans)
```

```
9 #C1 = Neutral condition
10 #C2 = Negative condition
11 #C3 = Positive condition
```



The *lmerTest* package gives us p -values for our fixed effects, while the *emmeans* allows us to conduct pairwise comparisons.

The screenshot displays the Microsoft Excel 'Save As' interface. The 'Format' dropdown menu is set to 'Windows Comma Separated (.csv)'. An arrow points from a bullet point below to this dropdown. The background shows an Excel spreadsheet with columns A-D and rows 1-29.

	A	B	C	D
1	Subject	Item	Condition	Region
2	S1	I1	Neutral	R3
3	S1	I2	Positive	R3
4	S1	I3	Negative	R3
5	S1	I4	Neutral	R3
6	S1	I5	Positive	R3
7	S1	I6	Negative	R3
8	S1	I7	Neutral	R3
9	S1	I8	Positive	R3
10	S1	I9	Negative	R3
11	S1	I10	Neutral	R3
12	S1	I11	Positive	R3
13	S1	I12	Negative	R3
14	S1	I13	Neutral	R3
15	S1	I14	Positive	R3
16	S1	I15	Negative	R3
17	S1	I16	Neutral	R3
18	S1	I17	Positive	R3
19	S1	I18	Negative	R3
20	S1	I19	Neutral	R3
21	S1	I20	Positive	R3
22	S1	I21	Negative	R3
23	S1	I22	Neutral	R3
24	S1	I23	Positive	R3
25	S1	I24	Negative	R3
26	S2	I1	Negative	R3
27	S2	I2	Neutral	R3
28	S2	I3	Positive	R3
29	S2	I4	Negative	R3

- First I need to re-save my data in Excel as a .csv file