One-Way Independent Groups ANOVA

Bransford & Johnson study

If you’ve been reading your textbook carefully, you should be able to remember quite a bit about the following passage because you know the topic of the piece (and you’ve read the text before).

The procedure is actually quite simple. First you arrange things into different groups depending on their makeup. Of course, one pile may be sufficient, depending on how much there is to do. If you have to go somewhere else due to lack of facilities, that is the next step; otherwise you are pretty well set. It is important not to overdo any particular endeavor. That is, it is better to do too few things at once than too many. In the short run this may not seem too important, but complications from doing too many can easily arise. A mistake can be expensive as well. The manipulation of the appropriate mechanisms should be self-explanatory, and we need not dwell on it here. At first the whole procedure may seem complicated. Soon, however, it will become just another facet of life. It is difficult to foresee any end to the necessity for this task in the immediate future, but one can never tell.

That is, knowing the context of the passage allows you to make better sense of the passage, which then leads to better memory for the passage. And the take-home message is that you don’t want to be in the no-context condition! 😊

Bransford & Johnson did a number of other studies relating to the importance of context for memory of text passages. We’ll replicate a portion of one of their classic studies to provide data for analysis.

In conducting the study and interpreting its results, you will need to understand:

Research and Statistical Hypotheses

Independent Variable (IV)

Dependent Variable (DV)

Operational Definitions
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