

ANOVA

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Multi-Level Experiments

- ⊞ Often the research that psychologists perform has more conditions than just the control and experimental conditions
 - ⊞ You might want to compare the effectiveness of two treatments to each other and to no treatment
- ⊞ Such research designs are called *multi-level* because there are more than two levels to the independent variable

Multiple t Tests

- ⊕ How would you analyze data from a multi-level experiment?
- ⊕ Given what we know so far, our only real option would be to perform multiple t-tests
- ⊕ The problem with this approach to the data analysis is that you might have to perform many, many t-tests to test all possible combinations of the levels