

Statistics One

Lecture 18 Summary

Semester summary

- Experimental design
- Descriptive statistics
- Correlation & regression
- Measurement
- Multiple regression
- Central limit theorem
- NHST
- Tests to compare means

Experimental design

- Experimental design
 - Randomized controlled experiments
 - Different types of designs in ANOVA lectures

Descriptive statistics

- Descriptive statistics
 - Histograms
 - Summary statistics

Correlation and regression

- Correlation
- Regression

Measurement

- Bias
- Reliability
- Validity

Multiple regression

- Multiple regression
 - Matrix algebra
 - Estimation of coefficients
 - Mediation
 - Moderation

The central limit theorem

- The central limit theorem
 - Sampling
 - Sampling error
 - Standard error

NHST

- NHST
 - Flaws
 - Alternatives
 - Effect size
 - Model comparison

Tests to compare means

- Tests to compare means
 - t tests
 - ANOVA

END LECTURE

THANK YOU!

Statistics One 2.0

Coming Soon!

To an Electronic Device Near YOU!