

Hypothesis Testing

- ▶ Testing Hypotheses (Chapter 9.1)
- ▶ The z-test (Chapter 9.1)
- ▶ T-tests (Chapter 9.5, 9.6)
- ▶ Fisher's exact test (course slides)
- ▶ The χ^2 test (Chapter 10.1)

Multiple Hypothesis testing

Material: Course Slides, [material uploaded on the course website](#)

- ▶ Types of Errors
- ▶ Family wise error rate, false discovery rate
- ▶ Controlling for FWER and FDR (Bonferroni, Bonferroni-Holms, Benjamini-Hochberg)

Linear Regression

Material: [material uploaded on the course website](#).

- ▶ Least Squares (Chapter 11.1).
- ▶ Simple Linear Regression (chapter 11.2)
- ▶ Statistical Inference for linear regression (Chapter 11.3).
- ▶ Multiple Regression (11.5)

ANOVA

Material: Chapters 9.7, 11.6. [OpenStatistics Chapter 7.3](#)

Logistic Regression

Material: Course slides.