Biostatistics Meet-and-greet

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- Yaren Nur Demir
- Özge Çetin
- Zeynep Şevval Dümenci

Syllabus

Week 1 – Descriptive statistics and exploratory analysis

Week 2 – Descriptive statistics and exploratory analysis

Week 3 – Hypothesis testing – one sample tests

Week 4 – Hypothesis testing – two sample tests

Week 5 – Mid-term exam I

Syllabus (cont.)

Week 6 – Hypothesis testing – more than two samples

Week 7 – Hypothesis testing – categorical outcomes

Week 8 – Hypothesis testing – non-parametric tests

Week 9 – Linear regression

Week 10 – Mid-term exam II

Syllabus (cont.)

Week 11 – Logistic and Poisson regression

Week 12 – Sampling methods and missing data

Week 13 – Power analysis and sample size calculation

Week 14 – Final exam

Lecture Slides & Scripts

- All lecture slides and scripts are available on:

  https://github.com/egeulgen/MED131_21_22

Course Evaluation

- Mid-term I – 25%
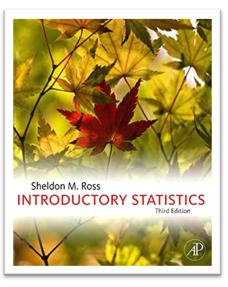- Mid-term II – 25%
- Final exam – 30%
- Term project – 20%

Software

Reference Reading

- Sheldon Ross (2010) Introductory Statistics, Academic Press, 3rd edition

- Roger Peng (2016) R Programming for Data Science.
  - Buy it at any price at https://leanpub.com/rprogramming