Optional Tutorial Revision Guide

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Topics for Today

- Review Plan
- Topic-based
- Tips

Section 1

Q & A Session

Course Materials?

- Assignments
- Project Procedure
- ..

Section 2

How to Set up a Review Plan

Leaning Objectives

- Describe how statistical methods can be used to learn from data, including methods for description, explanation, and prediction.
- 2 Carry out a variety of statistical analyses in R and interpret the results of the analyses.
- Implement the computational steps involved in the management and statistical analysis of data using R.

Continue...

- Identify appropriate uses of statistical methods to answer questions, including their strengths and weaknesses.
- Olearly communicate the results of statistical analyses to technical and non-technical audiences.

Before having a plan

- Goal
- Focus
- Specific
- Evaluate
- Reward

Concept (1)

- Definition?
- Importance? Application? (4)
- Common misconception?

Data Wrangling (3)

- Relevant definition in technical terms and plain English? (5)
- Importance?
- The goal of data cleaning?
- How do I do it in R?
- Can I interpret the results in R?

Visualization (2)

- What are the graphs?
- How do I produce the graphs in R?
- What are the functions and what does the argument in the function mean?
- How do I interpret the graphs?

Statistical Method (1) (3)

- Definition in technical terms and plain English? (5)
- Importance? (4)
- Application in real life? (4)
- How do I do it in R? Can I connect the method to the visualization?
- Common misconception?
- Can I interpret the results in R? (5)
- Limitations? (4)

Tips

- Start early
- Ask questions

Nominate a TA?

https://tatp.utoronto.ca/awards/ta-awards/student-nomination/