

Reading Research

Papers

Statistics Tutorial

Day 11

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WHAT ARE WE DOING TODAY?

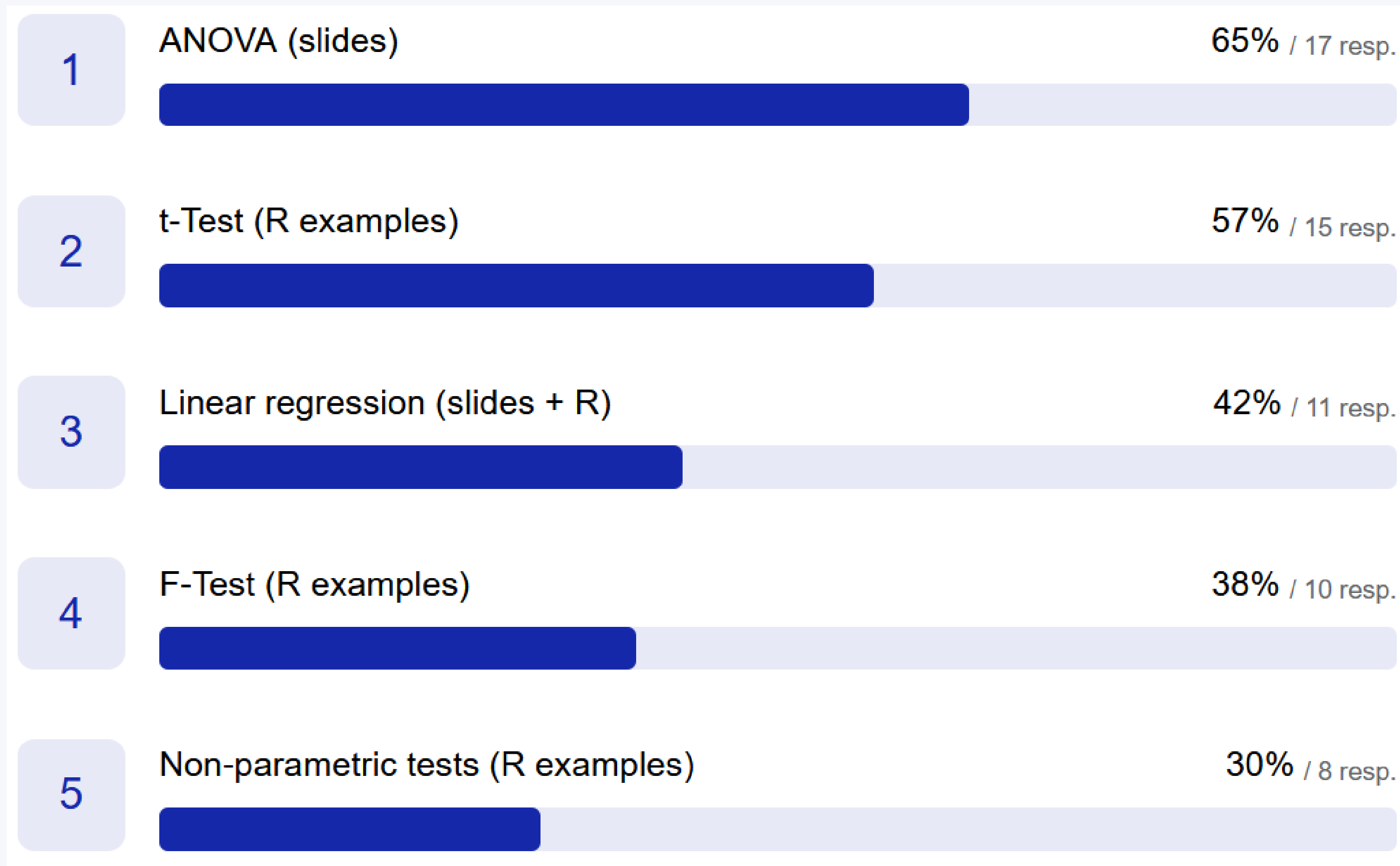


(Talk About)
READING PAPERS



CONTINUE
R EXERCISE

THE RESULTS ARE IN!



“
Things that I wish someone told me
when I was at the beginning of my journey in science.
”

1. Reading research papers
2. Organizing your knowledge and thoughts
3. Dealing with bullshit

READING RESEARCH PAPERS

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- Most papers are written based on IMRaD structure:
 - **I**ntroduction, **M**ethods, **R**esults, **a**nd **D**iscussions
- However, do not read the papers in this order:
([Prof. Pete Carr's video](#))
 - Phase 1: Survey the Paper
 - (you can decide to drop this paper from your consideration at any point in this phase)
 - Read title and keywords
 - Read the abstract
 - Read the conclusions
 - Look at the tables and figures
 - Phase 2:
 - Introduction
 - Results and Discussion
 - Details of the Methods



- Learn how to use reference management tools as soon as you can:
 - Citavi is free for Leuphana students
 - Zotero is free and open source
 - Mendeley has a very good built-in discovery function
- Start keeping a list of trusted Journals
 - Ask the professors that you trust what their most trusted journals are
- Start keeping a list of trusted papers for different areas of interest

DEALING WITH BULLSHIT

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Identifying reputable vs. questionable papers is difficult: ([video](#))

- Full playlist on Calling Bullshit in the Age of Big Data: ([link](#))
- Presentations about Predatory Journals:
 - [Australian National University](#)
 - [MONASH University](#)

So how do you go about citing papers?

1. Look for major grammatical errors on the text or bad formatting in the research paper
2. Check the quality of the website of Journal
3. Check the credentials of the editorial board of the journal
4. If OpenAccess, check if the journal has been listed on DOAJ (<https://doaj.org/>)
5. Other contributions made by one or two authors of the paper / included in the journal
 - If the contributions are questionable or are made in questionable journals, you cannot trust the paper you discovered

PLAN FOR NEXT WEEK



That's it for today! :-)

Next week, we are going to revisit:

- ANOVA

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