

# Data Science

## CS301

### Exam 1

Week 5

Fall 2024

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# Exam 1: During Next Lab

- Wednesday's lab meeting: **2<sup>nd</sup> October 2024**
- You will receive the URL for a GitHub repository in which you are to work
- Timed submission time
- Bound by the honor code
- Open notes and open book
- No sharing of information between peers
- No AI assistance

**PLEASE NOTE**



# Topics

- **R, syntax and basic functions**  
ggplot(), filter(), arrange(), select(),  
mutate(), summarize(), and others
- **Understanding and explaining code**
  - Spotting and fixing errors
- **Plots**
  - Preparing simple plots
  - Explaining visualizations
- **Ethical reasoning**
- **Types of questions**
  - Multiple choice
  - Written answer
  - Code blocks