

Preparation for Exam I

STA 325, Supplemental Material

Rebecca C. Steorts

Announcements

Reminder: Datathon is October 27, 2018

- ▶ dukeml.org/register (For students to apply to the datathon.)
- ▶ There will be extra workshops for the datathon. Please sign up below if you would like to participate
- ▶ If you know someone that might be a good mentor, please feel free to suggest this to them

dukeml.org/mentor (For mentors and workshops.)

Exam I

- ▶ Exam I Review will be Monday Sept 24
- ▶ Exam I will be in class Tuesday, Sept 25.

Exam I Material

- ▶ Module 0
- ▶ Module 1
- ▶ Please review all class modules, homeworks, and labs in preparation for the exam.

Exam I Material

- ▶ Introduction to Machine Learning
- ▶ Reproducible code/R Markdown
- ▶ Review of R
- ▶ Introduction to Functions
- ▶ Advanced Functions
- ▶ Dealing with Textual/String Data

Review

0. What is machine learning?
1. What are applications of machine learning?
2. What is reproducible research?
3. What is a vector, data structure, list etc?
4. What is a function?
5. How do you define a function?
6. How do multiple functions work together?
7. Why do we use functions?
8. What is a simple example of a function?
9. How do we test that a function works properly?
10. What is a character? What is a string?
11. Does R distinguish between characters and strings?
12. What is a substring?
13. Know how to work with a piece of text, analyze it, and manipulate it (like in the lecture and homework).