

# Introductory Workshop Series in R Programming for Data Analysis

This series is for any researcher with an interest in learning how to program in R—it's perfect for students interested in building their coding skills or for researchers looking for efficient and reproducible ways to analyze data. No coding experience required!

## Presented by Sean Nguyen, CMB PhD candidate

Sean is a BEST trainee and a fourth year PhD candidate with a strong interest in data science. You can find his blog about coding in R at <https://nguyens7.github.io/>

### 1: Introduction to R

Learn about R and how to easily import and visualize data

**Date:** Th, May 4, 2017 **Time:** 5:30-7 **Place:** 110 Chittenden Hall **Snacks?** Yes!

### 2: Importing and cleaning up data with tidy and dplyr

Learn to import, explore and clean up raw data

**Date:** Tu, May 9, 2017 **Time:** 5:30-7 **Place:** 110 Chittenden Hall **Snacks?** Yes!

### 3: Graphing with ggplot2

Learn to visualize data with ggplot2.

**Date:** Th, May 11, 2017 **Time:** 5:30-7 **Place:** 110 Chittenden Hall **Snacks?** Yes!

### 4: Data analysis, reproducible research, R notebooks and Github

Learn to perform routine statistical analyses, create dynamic reproducible documents and concepts of version control

**Date:** Tu, May 16, 2017 **Time:** 5:30-7 **Place:** 110 Chittenden Hall **Snacks?** Yes!

**Required Materials:** Laptop computer running Windows, MacOS or Linux with wireless internet connectivity



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Please contact Meredith Frie ( [friemere@msu.edu](mailto:friemere@msu.edu) ) to enroll or with any questions  
Enrollment is on a first-come, first-served basis. Priority will be given to grad students and postdocs