

# Research Design and Analysis

Instructor learning materials for data analysis module of Research Design and Analysis, 2023.

## Details

📅 July 17 - July 21

📍 Room 106, Research and Education Building (190 Longwood Ave, Boston, MA)

📺 Same Zoom room for all sessions and office hours on calendar invite<sup>1</sup>

## Instructors

👤 **Robert Gentleman, PhD**

🏛️ Executive Director, [Center for Computational Biomedicine](#)

✉️ [robert\\_gentleman@hms.harvard.edu](mailto:robert_gentleman@hms.harvard.edu)

### Office Hours

📅 July 19, 9am - 10am and July 21, 8:30am - 9:30am

📍 Room 106, Research and Education Building (Zoom option available)

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<sup>1</sup>The zoom link will not be presented on this website since it is public. You should have the Zoom link for sessions and office hours in the calendar invites. Please email Chris if you can't find the Zoom information.

 **Chris Magnano, PhD**

 Curriculum Fellow, [Center for Computational Biomedicine](#)

 christopher\_\_magnano@hms.harvard.edu

**Office Hours**

 July 18, 9am - 10am and July 20, 4pm - 5pm

 Zoom only



## Schedule

Module Week	Instructor Training July Session Date	Class Session Date
R Basics	7/17	August TBD
Introduction and writing your data analysis plan	-	10/11
Getting started with data	7/18	10/18
Data visualization	7/18	10/25
Managing Data	7/19	11/1
Descriptive statistics and exploratory data analysis	7/19	11/8
Statistical tests	7/20	11/15
Regression analysis	7/20	11/29
Advanced data wrangling and NHANES	7/21	12/6