R Bootcamp for Scientific Computing 2025

A close-up of several hexagons

AI-generated content may be incorrect.

Each year, volunteers from the Department of Population and Public Health Sciences offer **“The R Bootcamp.”** This year, we are excited to be hosting this event in person! The Bootcamp will provide a general overview of the R programming language.

## Schedule

The event consists of three sessions, all taking place on **Thursday, August 21st** in **SSB 114**:

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|  | **Time** | **Topics Covered** |
| **Session 1: Intro and R Basics** | 11am – 12pm | Coding basics and common data types  Installing and using packages |
| **Session 2: Data Visualization** | 1pm – 2pm | Data visualization with base R and {ggplot2} |
| **Session 3: Data Wrangling** | 2pm – 3pm | Data wrangling with {dplyr}  Data reshaping with {tidyr} |

## Target Audience

**Session 1** is intended for those who are new to R and R Studio, who want to begin writing and interpreting code, importing data, and understanding how the R language works. **Sessions 2 & 3** are for those who attended Session 1, as well as those who want to learn how to manipulate data, produce results from simple data analysis, and create visualizations in R. **Overall,** The Bootcamp is helpful for new students in PPHS, especially those who will be taking PM511b, PM566, or PM592.

## RSVP

Please RSVP here: <https://forms.gle/v99MuTUiwNCJ2Fw87>. For more details and course materials, please visit our website: <https://bit.ly/usc-rbootcamp>, or feel free to email to [kelly.street@usc.edu](mailto:kelly.street@usc.edu).