

Module Introduction

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Intro

Hello! This is a document explaining the order/format of the *Intro to R* module.

This module was created to help users with little to no experience with R, statistics, or programming in general get a crash course in R.

The module is a collection of both slides and interactive tutorials. It is also intended to be used as a reference. No one is expected to learn everything in one go. Rather, use these as a starting point and refer to them as needed.

Below is a description of the module and its various sections. The sections are intended to be completed in order.

The Module

1) Installing R & RStudio

First, we begin by installing R and RStudio. This section is a slideshow and can be found as *Installing_R_RStudio.pdf*.

2) Reading in Data with R

Next, we learn how to read in various data files with R. This may seem out of place, but its necessary to learn how to import our data before we do anything with it. This section is a slideshow and can be found as *Reading_in_data.pdf*.

3) Intro to data

Next, we learn about data, both conceptually and practically, as an R user. This is an online, interactive tutorial. The link is https://dacss.shinyapps.io/Intro_to_data/.

4) Basic R Programming

Finally, we learn about basic R syntax and using R to work with dataframes and vectors. This is an online, interactive tutorial. The link is https://dacss.shinyapps.io/Basic_R_Programming.

Wrapping up

After this, you should have learned about **R** and how to use it to work with data. For anyone taking **PS328/PS750**, you should next complete the regular **R tutorials** and the **Statistics Tutorials**, found on the Google Classroom.