

A Very Brief Introduction to R

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Help Us Understand Your Basic Needs and Current Skills



<https://forms.gle/Q7xQhaTy8AJYCBfRA>

Learning Objectives

- By the end of this lecture, students will know how to
 - Find/open files
 - Discuss how R works and thinks about files/data in basic terms
 - Use R to get a feel for the data
 - Use R to conduct basic data management
 - Use R to conduct basic summary Statistics
 - Use R to summarize results for use outside of R
 - Begin writing functions

Grab Your Files for Use in Your Account

- Go to <https://workshop.colorado.edu/>
- Use the external SSH terminal or use the Terminal in Rstudio
- In your home directory type `mkdir Day1` to create a directory to hold today's work

```
mkdir Day1
```

- Change your location into that directory

```
cd Day1
```

- Copy your all files from Elizabeth's folder into your Day1 folder recursively (yes, include the space and period at the end)

```
cp -r /faculty/elizabeth/2023/* .
```

Open the Files for Our Session in RStudio

- Go to <https://workshop.colorado.edu/>
- Open a virtual Rstudio session
- In your 'environment', choose the Files tab
- Go into the Day1 folder you just made
- Click on 'IntroToR2023.R' to open the R folder

- On line 49, change the path to reflect the location of YOUR file
- Please raise your hand if you are experiencing problems

Let's get started!