Preliminaries

Assignment: Hello & Welcome to R (Due Week 1)

Prof. Jack Reilly

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Readings

- Read the course syllabus (all parts of this website)
- Recommended reading:

    - **RDS**, introduction

Data & Computational Work

The main purpose of this week's assignment is to get your computer ready for all the work in the class. This means, primarily, installing software.

Install R on your computer

Begin by installing R (http://cloud.r-project.org). Choose the version appropriate for your computing platform:

- If you use macOS with an Apple Silicon processor (i.e. an M-series processor), then install R for macOS's Apple Silicon build. This version does not work on older, Intel-based Macs.

- If you use macOS with an Intel processor, then install R for macOS's Intel build.

- If you use Microsoft Windows, then install R for Windows.

- If you use Linux, choose your distribution and install the R package for it.

Install RStudio on your computer

- If you use macOS (whether Apple Silicon or Intel), install this version of RStudio.

- If you use Windows, install this version of RStudio.

- If you use Linux, choose your distribution from the download page.

Confirm things work

- R is really a great big calculator. Let's do some calculations!

    – Add 2 and 3 together
    – Multiply 4 by 6
    – Divide 10 by 5

Submit: .R File (Optional)

In an .R file, write code to answer the following questions. Make sure your file is appropriately titled and headered.

Note: You can submit this R file in Week 2, if you prefer.

1. Create an object named `aardvark` that stores a 3 as a single number
2. Create a second object named `boomba` that stores a 6 as a single number
3. Create a third object named `centauri` that is the addition of `aardvark` and `boomba`
4. Create a fourth object named `diabolical` that is the multiplication `aardvark` and `boomba`
5. Create an object named `ebullient` that stores three numbers as a vector: 4,5,and 6
6. Create an object named `fastidious` that stores three numbers as a vector: 8,9, and 11
7. Add `ebullient` and `fastidious` together, and store it in an object named `george`
8. Find the mean (average) of `fastidious`, and store it in an object named `zoinks`

Submit: PDF file (Due Week 1)

Answer the following questions and upload as a PDF to Blackboard.

1. What is your name and program of study at Syracuse?
   (Optional: provide your pronouns, if you wish.)

2. What is your prior experience with statistics, data analysis, R, and computer programming generally?

3. What are you hoping to get out of this class?

4. Please include a picture of yourself!

- It can be anything – just make sure that you are the only person in the picture so I can clearly identify you.

5. What is the mean of the `fastidious` object from your .R assignment above?