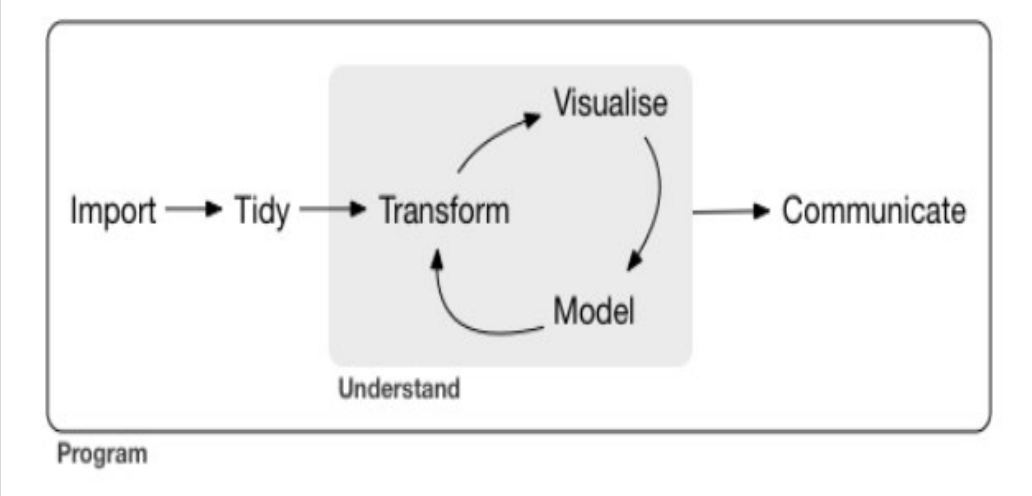
Welcome to the Show

Who Am I?

- Name: Mario Giacomazzo
- Origin: Cleveland, OH
- Undergrad: Baldwin-Wallace
- Grad: Arizona State University
- Personal Website
- Research Info

Why Are We Here?

Data Science



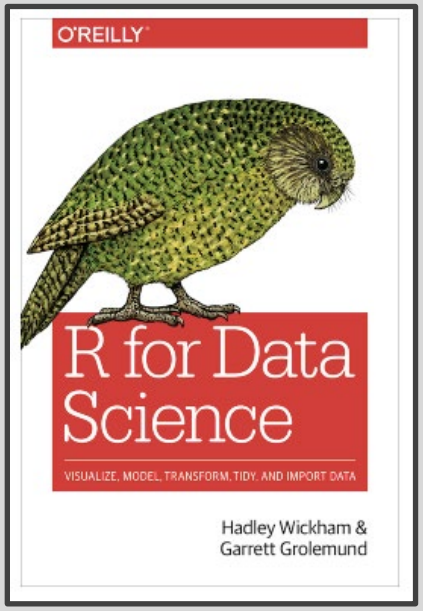
Definition: The easiest part of research

What Will We Do?

- Develop Skills that Turn into $$$
  - Computer Programming
  - Statistical Analyses
  - Written and Verbal Communication Skills
  - Creativity and Innovation

What is Needed?

- Textbook:



- Computer: We will actively use our laptops in every class.
- R and RStudio Installed and Operational
- High Tolerance for Pain and Agony

What Will We Do?

- Course Website and Syllabus
- In-Class Coding
- Weekly Assignments
  - Lab Work
  - Homework
  - Data Analyses
- Learn and Use Rmarkdown
  - Submit through Canvas
  - Submit as HTML Files

What Should I Do?

- Install R on Your Laptop
- Install Rstudio on Your Laptop
- Download the Textbooks
  - R4DS
  - RP4DS
  - AoRP
- Read the Introduction to R4DS
- Practice Programming with R for 10 minutes a day in RP4DS or AoRP

What Should I Do?

- Run Your First RMarkdown File
  - Video of Rmarkdown
  - First Assignment: HW 1
  - Steps:
    - Watch Video and Read About Rmarkdown
    - Open HW 1 Rmd File in R
    - Attempt to Knit the File to an HTML File and View
    - Read Book and Finish HW 1

Closing?

Disperse and Make Reasonable Decisions