



*Welcome  
to the  
Show*

Who Am I?

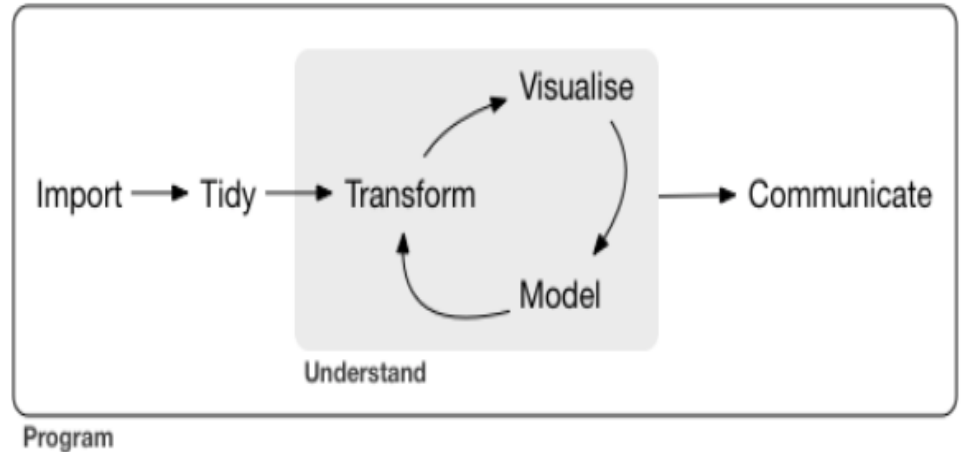


- Name: Mario Giacomazzo
- Origin: Cleveland, OH
- Undergrad: Baldwin-Wallace
- Grad: Arizona State University
- Research Info

Why Are We  
Here?



# Data Science



*Definition: The easiest part of research*

## What Will We Do?

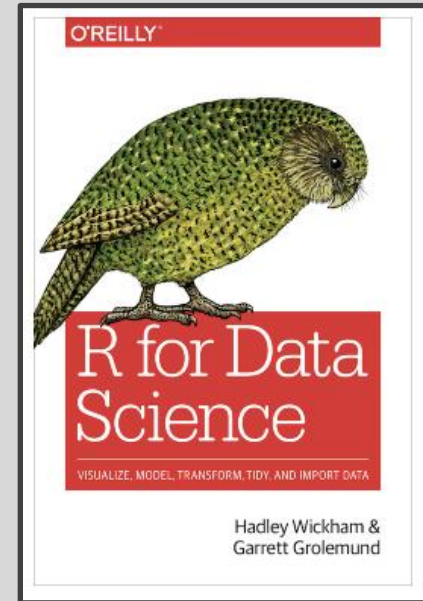


- Develop Skills that Turn into \$\$\$
  - Computer Programming
  - Statistical Analyses
  - Written and Verbal Communication Skills
  - Creativity and Innovation

What is Needed?



- Textbook:  
1<sup>st</sup> Edition



- 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?



- Lectures (Some In-Class Coding)
- Labs – Work in Groups to Complete Coding Assignments
- Weekly Assignments
  - Labs
  - Homeworks (Optional)
  - Mini Projects
- Final Project
- R Markdown for Assignments

## What Should You Do Next?



- Install R on Your Laptop
- Install Rstudio on Your Laptop
- Download the Textbook
  - R4DS
- Read the Introduction to R4DS

## What Should You Do Next?



- Open Your First R Markdown File
  - [Video of RMarkdown](#)
  - First Assignment: HW1
  - Steps:
    - Watch Video and Read About Rmarkdown
    - Download HW1 Zipped Folder
    - Unzip Folder
    - Open HW1.Rmd in R Studio
    - Attempt to Knit the File to an HTML File and View
    - Read Book and Finish HW1



## What Should You Do Next?

- Go to Canvas
- Explore Course Website
- Read Syllabus



Closing



Disperse  
and Make  
Reasonable  
Decisions