



*Welcome
to the
Show*

Who Am I?

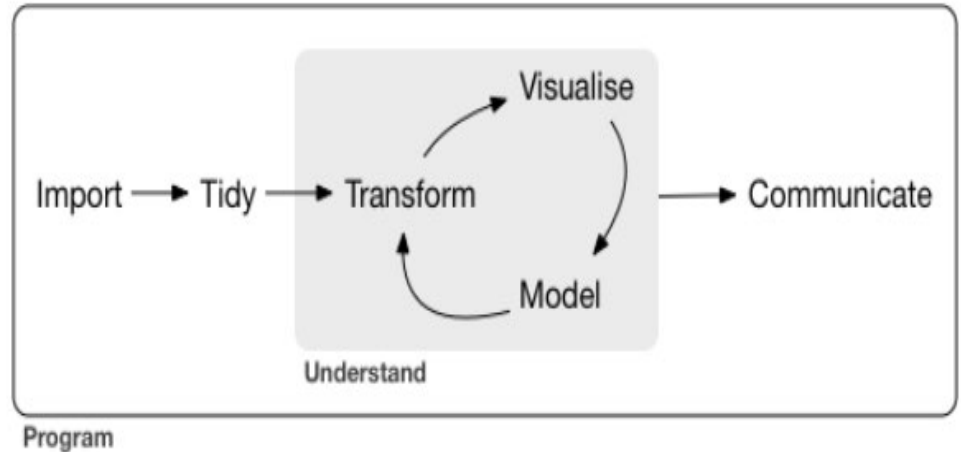


- Name: Mario Giacomazzo
- Origin: Cleveland, OH
- Undergrad: Baldwin-Wallace
- Grad: Arizona State University
- Personal Website
- Research Info

Why Are We
Here?



Data Science



Definition: The easiest part of research

What Will We Do?

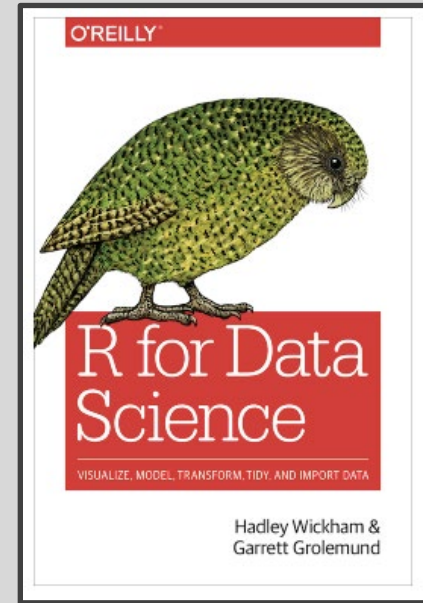


- Develop Skills that Turn into \$\$\$
 - Computer Programming
 - Statistical Analyses
 - Written and Verbal Communication Skills
 - Creativity and Innovation

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 Sakai
 - 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