

Join the Slack workspace

andhs.co/slack

Join the Posit Cloud workspace

andhs.co/posit

In-person session 1

January 12, 2023

PMAP 8521: Program evaluation
Andrew Young School of Policy Studies

Plan for today

Data science and program evaluation

Community building and getting help

Navigating the course

R time!

Data science and program evaluation

Who am I?

**What is
“data science”?**

What is "data science"?

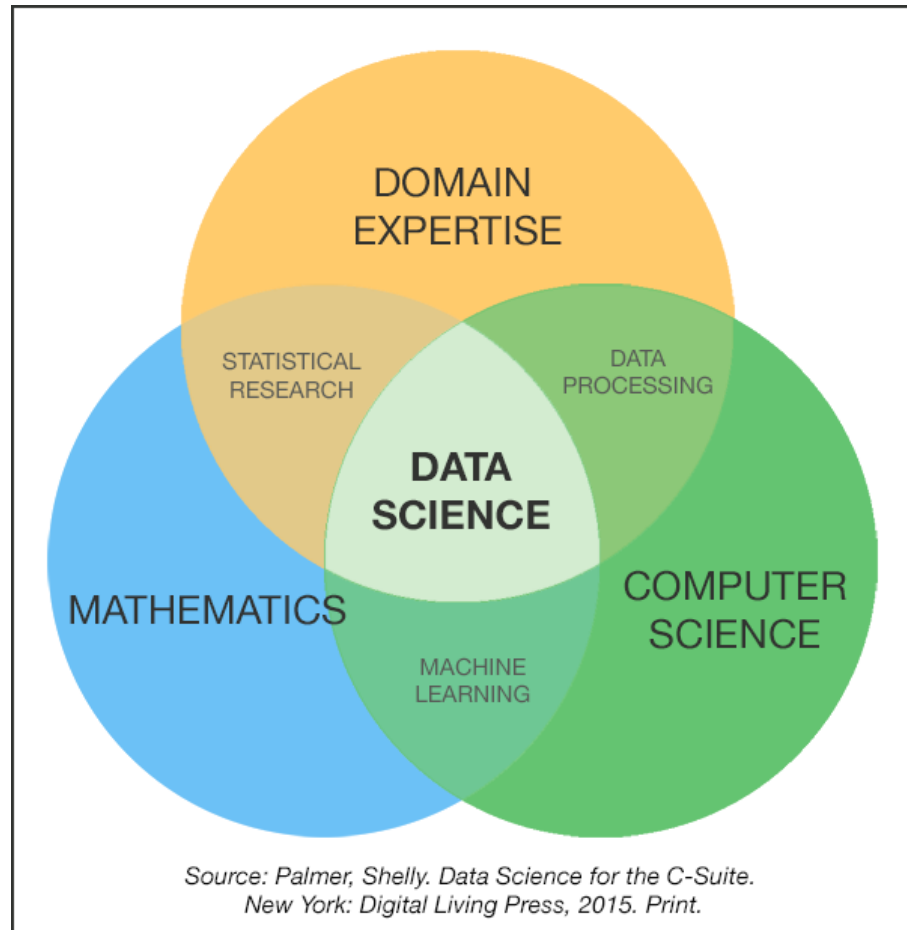
Turning raw data into
understanding, insight,
and knowledge

Collect

Analyze

Communicate

What's the difference?

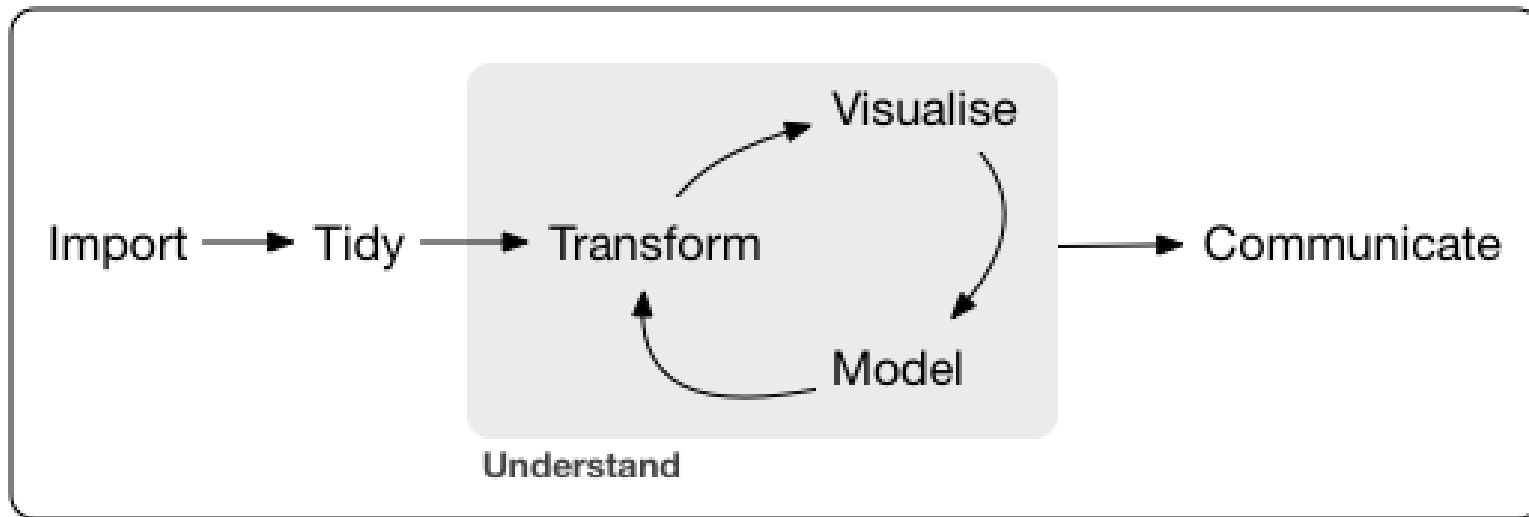


Collect

Analyze

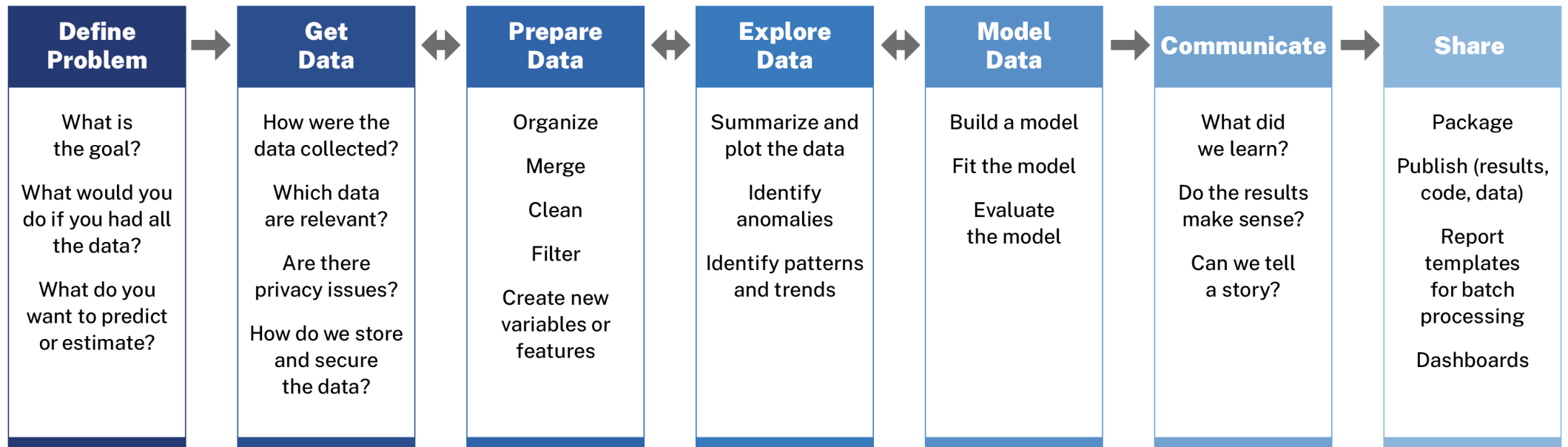
Communicate

**It's *not* scary/complex
machine learning,
artificial intelligence,
neural network stuff!**



Program

Data Science Life Cycle



Ethics, Privacy, Stewardship, Regulation, Reproducibility, Governance, Community

Community building and getting help

What is R? What is Posit? Why R?

Why is the R community special?

Intentionality

#rstats

#tidytuesday

RStudio community forum

Creating our own class community

Work and ask questions in public

Be supportive

Don't suffer in silence

Slack guidelines

Ask questions in #help

Avoid DMs with me!

Don't be shy or scared!

Respond in threads

30 minute rule

How to ask for help

Guidelines

Navigating the course

Navigating the course

What's on iCollege?

- Assignment submission
- Grades
- Exams
- Answer keys
- Copyrighted materials

What's on the website?

- Everything else!
- Forever!

R time!

Intro to R labs

Lab 1: Markdown and universal writing

Lab 2: Getting started with R and RStudio

Lab 3: Data basics

Lab 4: Visualize data with ggplot2

Lab 5: Transform data with dplyr