

Week 1 Statistical computing

MS 276

September, 2017

Why R/RStudio?

Why RMarkdown?

Why use R Markdown for Lab Reports?

Learning goals

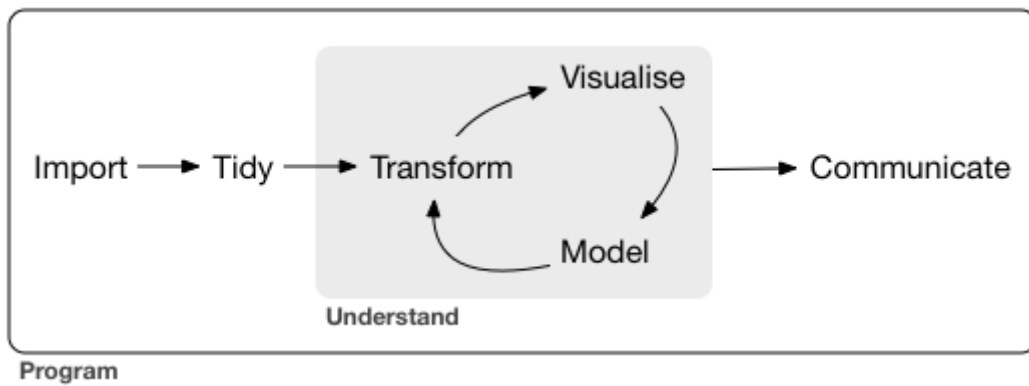


Figure 1: Data science paradigm

Packages

What are packages in R? How do you call a package? What are the most important packages?

Arithmetic tools

Give examples of several arithmetic tools that one may want to use.

Storing objects

How to store objects in R? What is a data frame and what does it consist of?

Taking a peek

What do the `glimpse()`, `head()`, `str()`, `dim()` commands

Workflow

Describe each of the four panels in an RStudio session