

tidyverse

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todo

dplyr tidyr broom/biobroom magrittr modelr ggplot markdown purrr  
stringr lubridate readr tibble

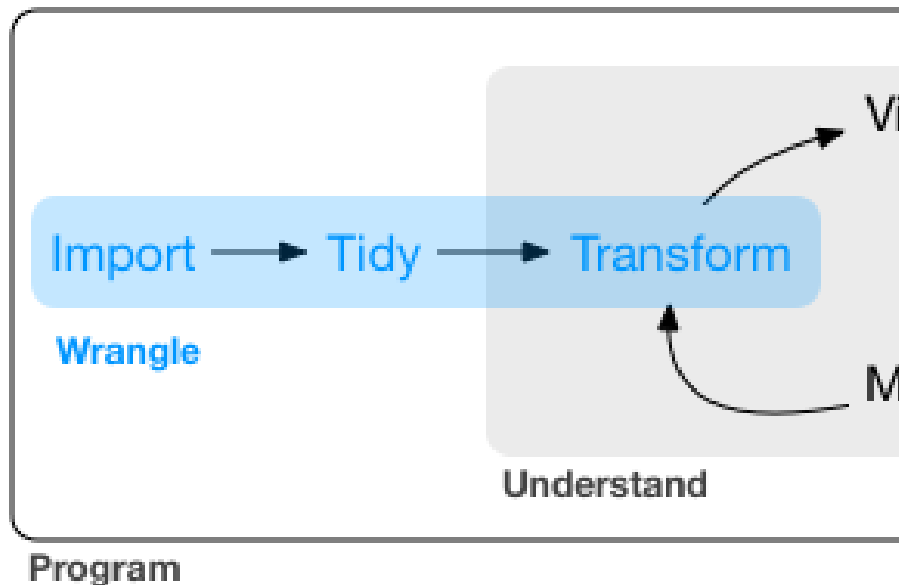
## Data science workflow

Import → Tidy → Transform

Understand

Program

## Data wrangling



# Data manipulation

tibbles

# Grammar of data manipulation

# Strings



- ▶ package `stringr`
- ▶ enhances base functions for strings manipulations
- ▶ functions `str_*`



# Dates



- ▶ package lubridate
- ▶ enhances base functions for dates and times manipulations
- ▶ `ymd`, `year`, `month`, `day`, `round_date`, `floor_date`

# A package to rule them all

- ▶ package tidyverse

# Ressources

- ▶ R4ds
- ▶ rstudio cheatsheet