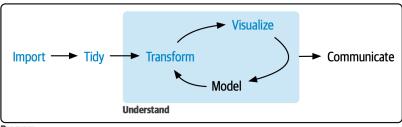
https://intro2r.com/ Chapter 5

CSCI 297b, Spring 2023

April 27, 2023

The Big Picture



Program

"The simple graph has brought more information to the data analyst's mind than any other device." — John Tukey

The tidyverse

```
install.packages("tidyverse")
install.packages("palmerpenguins")
install.packages("ggthemes")

library("tidyverse")
library("palmerpenguins")
library("ggthemes")
```

- tidyverse and ggthemes already on RStudio Workbench
- Only have to install once. Not needed in scripts.
- Instead of library(palmerpenguins) can use penguins <- palmerpenguins::penguins

penguins

 penguins contains 344 observations collected and made available by Dr. Kristen Gorman and the Palmer Station, Antarctica LTER

penguins

```
> glimpse(penguins)
Rows: 344
Columns: 8
$ species
                    <fct> Adelie, Adelie, Adelie, Adelie, Ade...
$ island
                    <fct> Torgersen, Torgersen, Torgersen, To...
$ bill_length_mm
                    <dbl> 39.1, 39.5, 40.3, NA, 36.7, 39.3, 3...
$ bill_depth_mm
                    <dbl> 18.7, 17.4, 18.0, NA, 19.3, 20.6, 1...
$ flipper_length_mm <int> 181, 186, 195, NA, 193, 190, 181, 1...
$ body_mass_g
                    <int> 3750, 3800, 3250, NA, 3450, 3650, 3...
$ sex
                    <fct> male, female, female, NA, female, m...
$ year
                    <int> 2007, 2007, 2007, 2007, 2007, 2007,...
```

Ultimate goal

Body mass and flipper length Dimensions for Adelie, Chinstrap, and Gentoo Penguins

