# Welcome to the tidyverse

R
Studio®

# Why R?

It's powerful

It's universal

It's free!

# Let's analyze some data!

# andhs.co/survey

# andhs.co/gpl-tidyverse

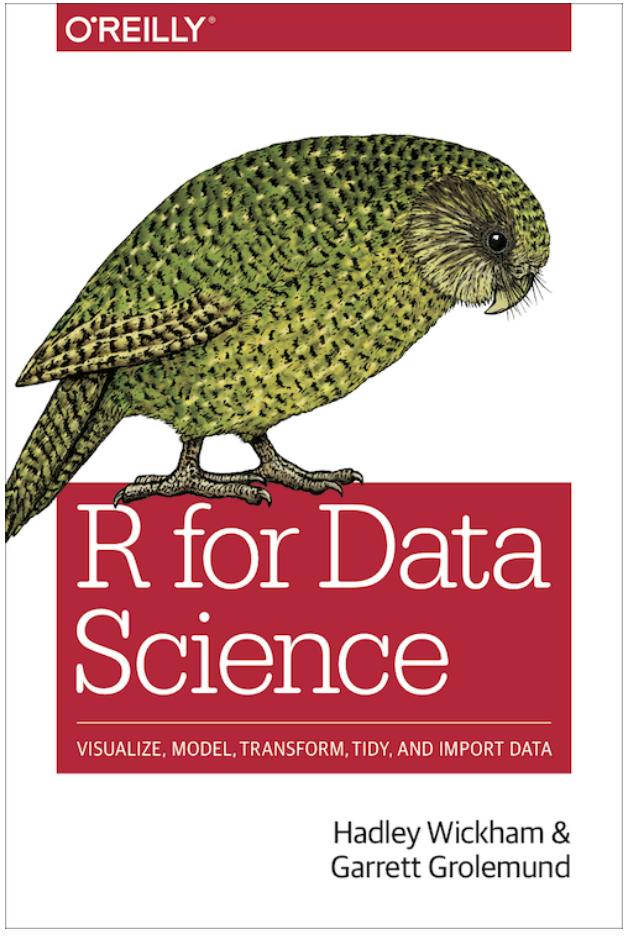
# Your turn

**Do you understand the data?**

**What can you conclude from this analysis?**

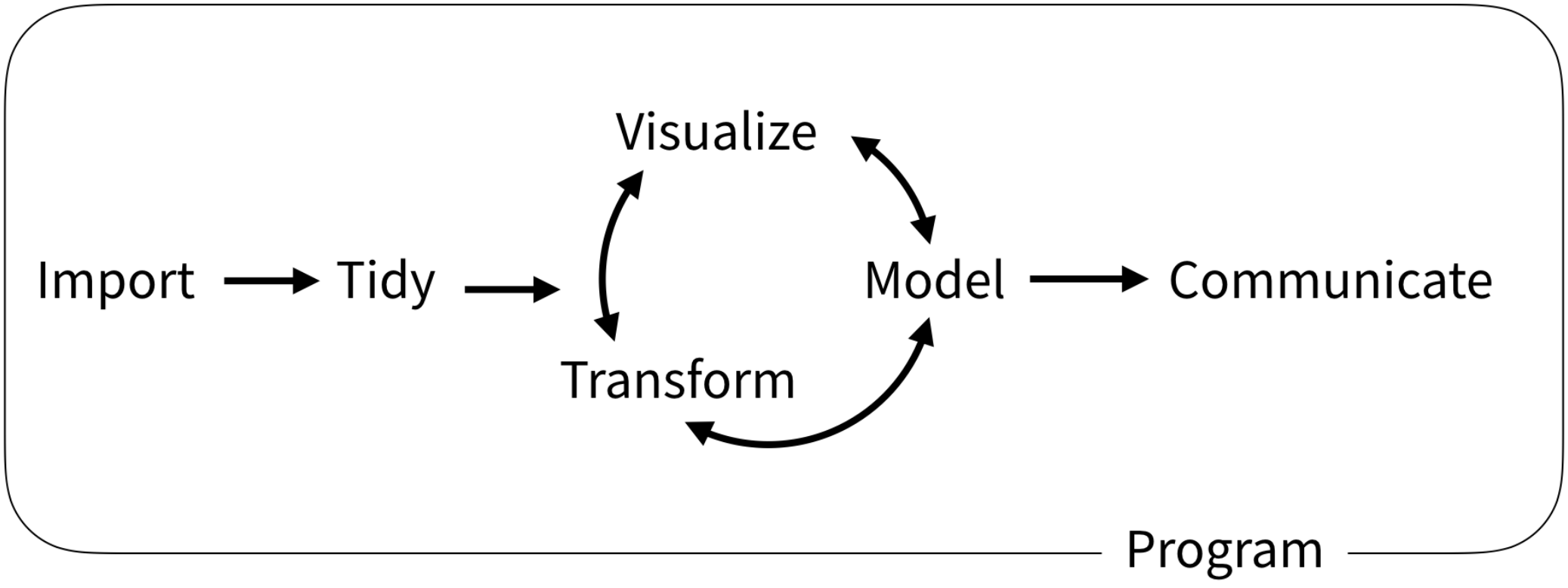
**What other questions arise as a result of this analysis?**

# Applied data science




R for Data Science, free online!

# Applied data science



**Import**
Get data from Google Sheets

**Tidy**
Look at the first 5 rows (no tidying necessary)

**Transform**
Calculate Apple ownership percentage

**Visualize**
Make a graph

**Model**
Build linear regression model

**Communicate**
Publish the result as HTML through R Markdown

# Plan for today

**Getting started with R and RStudio**
(20 minutes)

**Data basics**
(20 minutes)

**Data visualization with ggplot2**
(1 hour)

**Transform data with dplyr**
(1 hour)