

# Final Project

Navigate to 06\_final project

Open variation.png

Open hirshey.Rmd

Knit the document, and review the output

# Final Project Template

Navigate to 06\_final project

Open 06\_final\_template.Rmd

# Final Project Assignment

## 3 Documents

1. last\_name.Rmd with full code
2. Knitted report
3. image.png

# Final Presentation

2-3 minute oral presentation:

- Review the data
- Output file
- Salient observations (conclusion)
- Strategy to test the hypothesis

# Final Presentation Feedback

You will receive feedback on your oral presentation based on:

- Content: Comments on the data and insight that were presented
- Visuals: Any ways the visuals could have been more clear?
- Mechanics of presentation: Comments on the student presentation
- Overall

# Concluding Thoughts

Data science enables **data-driven** information gathering and hypothesis generation

→ Scientific Research

→ Reviews

Data science enables the ability to ask new types of questions

Process centric, not necessarily gene centric

Making things computable makes them actionable at zero marginal cost.

Workflows save time, achieve reproducibility

# Resources: Cheat Sheets

Cheat sheets make it easy to learn about and quickly refer to function in some of the common packages.

# Resources: Stackoverflow

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## Search Results

Results for removing legend title ggplot

removing legend title ggplot

20 results

**99** [Q: remove legend title in ggplot](#)  
votes **3** answers  
I'm trying to **remove** the **title** of a **legend** in ggplot2: df <- data.frame( g = rep(letters[1:2], 5), x = rnorm(10), y = rnorm(10) ) library(ggplot2) **ggplot**(df, aes(x, y, colour=g ...  
**r ggplot2** asked Feb 8 '13 by **smillig**

**0** [Q: How to change the position of plotly figures using ggplotly](#)  
votes **1** answer  
I am trying to **remove** the **legend title** using ggplotly without success. I'm sure there is an easy fix, but I cannot find the documentation for it - and **removing** the **legend title** (or changing the ... )) + geom\_boxplot() + theme(legend.title=element\_blank()) a # No **Legend Title** # plotly puts back the **legend title** ggplotly(a) Any ideas how to change / **remove** the **title** of the graph? Should it be done using ggplotly or **ggplot**? ...  
**r ggplot2 plotly** asked Dec 28 '15 by **Nick**

**1** [Q: Remove legend in ggplot in Python](#)  
vote **0** answers  
The **title** says it all: Is there any way to **remove** the **legend** in **ggplot** in Python? I tried to google but could only find the solution for R ...  
**python ggplot2 visualization python-ggplot** asked Jul 25 '18 by **Giang Do**

**0** [Q: ggplot legend / label change with various guides](#)  
votes  
already used to **remove** the titles and also **remove legend** for a 3rd aes, but I do not manage to do it. Do you have a solution? Here is my code : p <- **ggplot**(data, aes(x = Nb)) p + geom\_ribbon(aes(ymax ... I am trying to

**SIEMENS** innovate for life.  
**Siemens AG** Singapore  
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Senior Data Scientist **machine-learning sql**

HTML5 Code King **html5 css3**

Business Architect **enterprise**

### Hot Network Questions

**When does Haskell complain about incorrect typing in functions?**

**How much were the LMs maneuvered to their landing points?**

**Why didn't Britain or any other European power**

# Resources

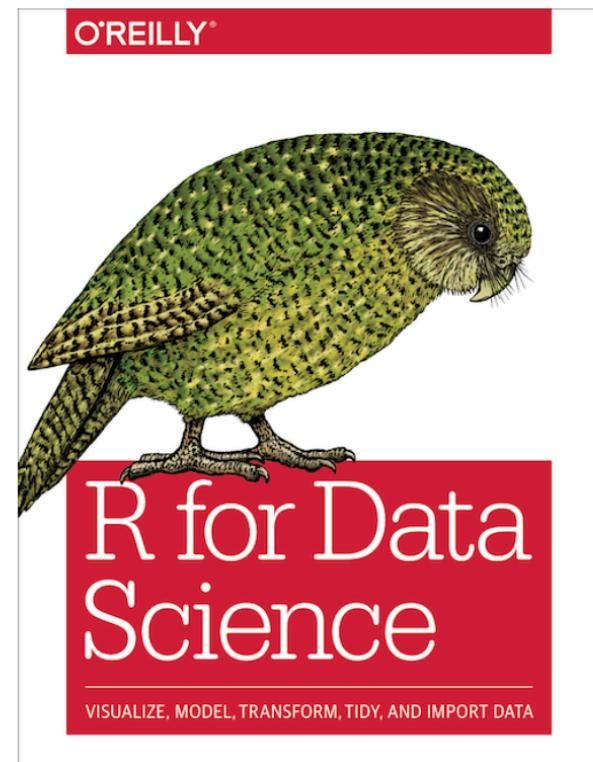
## R for Data Science

*Garrett Grolemund*

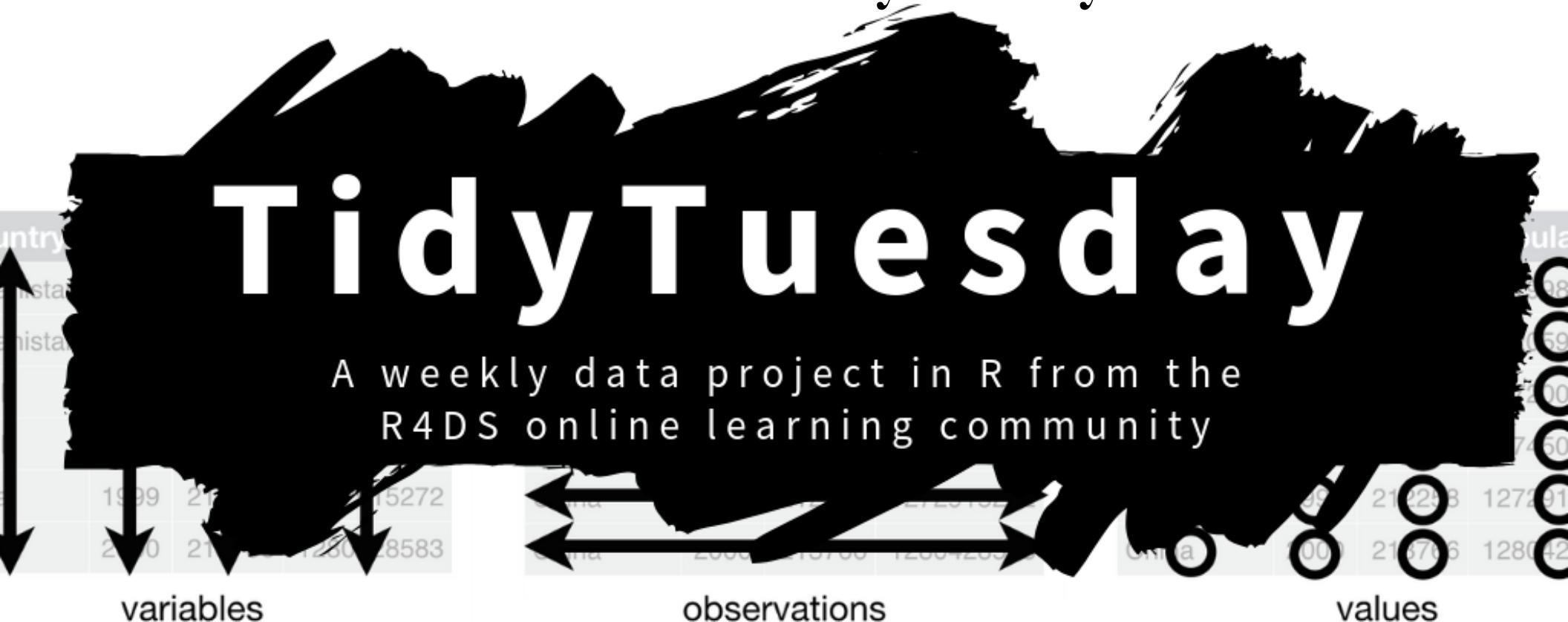
*Hadley Wickham*

## Welcome

This is the website for “**R for Data Science**”. This book will teach you how to do data science with R: You’ll learn how to get your data into R, get it into the most useful structure, transform it, visualise it and model it. In this book, you will find a practicum of skills for data science. Just as a chemist learns how to clean test tubes and stock a lab, you’ll learn how to clean data and draw plots—and many other things besides. These are the skills that allow data science to happen, and here you will find the best practices for doing each of these things with R. You’ll learn how to use the grammar of graphics, literate programming, and reproducible research to save time. You’ll also learn how to manage cognitive resources to facilitate discoveries when wrangling, visualising, and exploring data.



# Resources: #tidytuesday



[rfor datascience / tidytuesday](#)

Code Issues 48 Pull requests 0 Projects 0 Wiki Security Insights

Official repo for the #tidytuesday project

380 commits 2 branches 11 releases 8 contributors MIT

Branch: master ▾ New pull request Create new file Upload files Find File Clone or download ▾

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 www.hirscheylab.org

 github.com/hirscheylab