# Welcome to Tidy Tuesday!

R-Ladies Philly and
Philadelphia R users group (Philly RUG)

# Welcome!

Feb. 15, 2023

Please join google doc for links:

https://tinyurl.com/tidyfebruary

## Agenda

6:00 - 6:10 Join Online

6:10 - 6:15  Welcome and Announcements

6:15 - 6:20 Tidy Tuesday Introduction

6:20 - 7:00 Code Together!

Short break

7:05 - 7:20 Share your results (win a prize!)

**Live-tweet:** @RLadiesPhilly, #RLadies

**Worldwide** organization

...that promotes **gender diversity** in the **R community**

...via **meetups** and **mentorship**

...in a **friendly** and **safe** environment

rladies.org/code-of-conduct/

**Live-tweet:** @RLadiesPhilly, #RLadies

# Get Involved!

**Join** the slack community: https://tinyurl.com/rladiesphilly-slack

**Subscribe** to our Youtube channel: https://www.youtube.com/c/RLadiesPhilly

**Volunteer** as a speaker or mentor: http://tinyurl.com/rladiesphilly-mentorship

Thank you to our **sponsors**:

**Live-tweet:** @RLadiesPhilly, #RLadies

# Announcements

Upcoming R Conferences: https://rviews.rstudio.com/2023/01/18/some-r-conferences-for-2023/

All upcoming R-Ladies (any chapter) meetups: https://www.meetup.com/pro/rladies/

Welcome to the team, new organizer Michelle!

**Live-tweet:** @RLadiesPhilly, #RLadies

**R User Groups (RUGs)** facilitate the exchange of statistical programming knowledge in small group settings

The **PhillyRUG** was founded in January 2022 and is sponsored by the **R Consortium** to provide a local outlet for folks to learn from each other.

**Find us**

on Meetup: meetup.com/philly-rug

on Discord: discord.gg/nZWdPaDd6z

on Github: github.com/PhillyRUG

if you'd like to learn R, share your knowledge about a topic in statistical programming or data visualization, or if you're interested in these topics and want to talk to others like you!

R consortium

# What is Tidy Tuesday?

- A weekly data challenge aimed at the R community
- Summarize and arrange data to make meaningful charts with ggplot2, tidyr, dplyr, and other tools in the tidyverse ecosystem and beyond

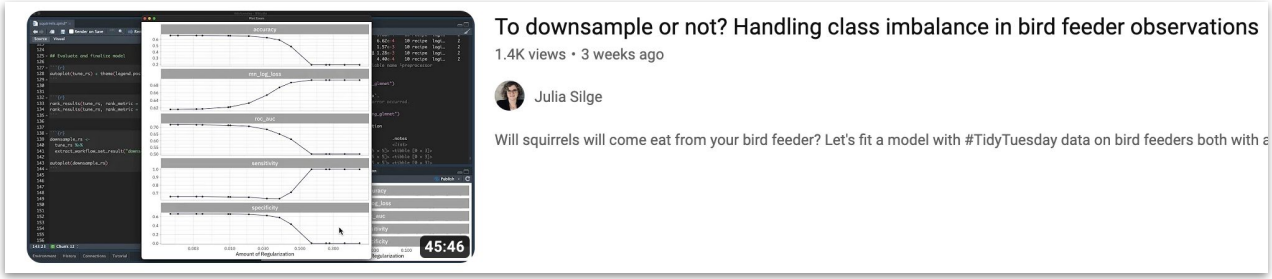
https://github.com/rfordatascience/tidytuesday

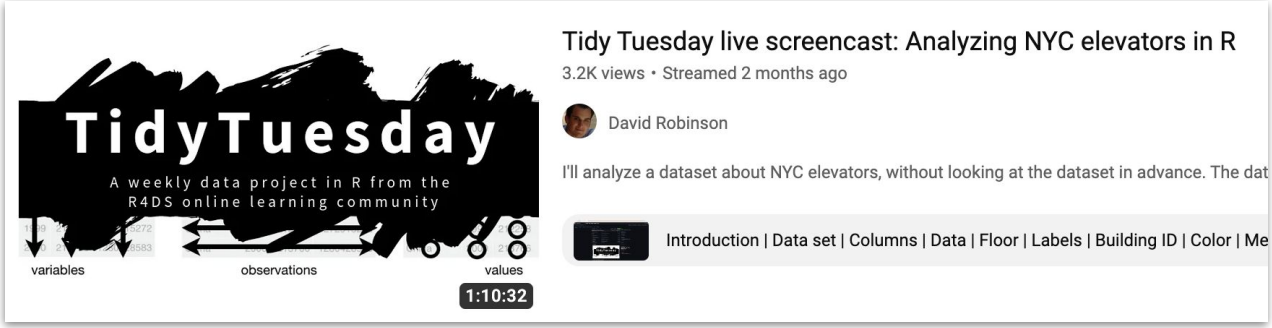
Please join google doc for Q&A:

**https://tinyurl.com/tidyfebruary**

# Tidy Tuesday inspiration

YouTube channels



# More TidyTuesday inspiration

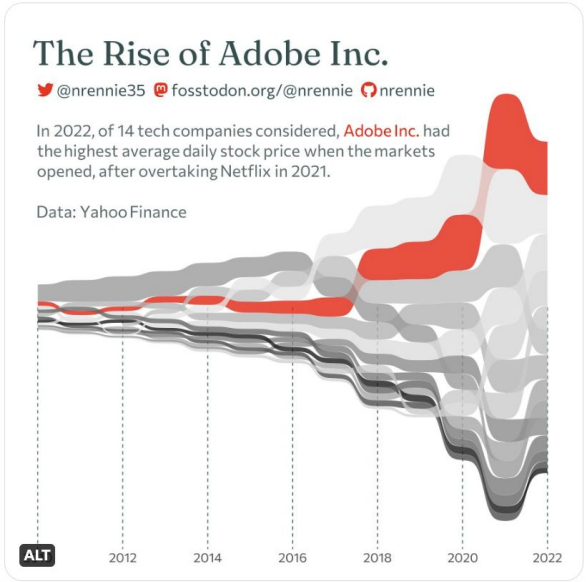
**Nicola Rennie | @nrennie@fosstodon.org** @nrennie35 · Feb 7

It's time for #TidyTuesday again! Thanks to @EvanJGower for sharing the data this week!

We're looking at stock prices of tech companies, and I used geom_sankey_bump() from {ggsankey} to look at the rank of Adobe over time!

Code: github.com/nrennie/tidytu...

#RStats #DataViz #R4DS



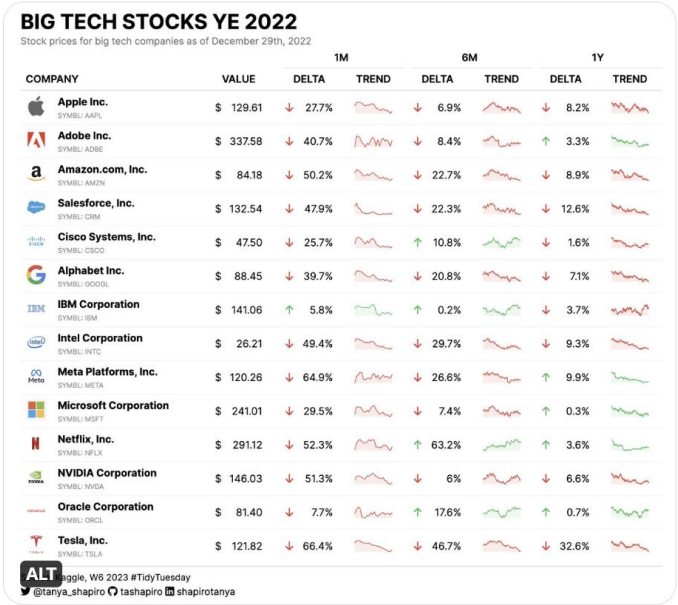
**Tanya Shapiro** @tanya_shapiro · Feb 8

Late again to #TidyTuesday - Big Tech Stocks 📈

Data from Kaggle. Perfect opp to create another table!

I will never tire of {reactablefmtr} + {htmltools}. Makes it easy to customize tables...or get lost in divs within divs.

Code: bit.ly/3YCT1Ps




| COMPANY | VALUE | 1M DELTA | 1M TREND | 6M DELTA | 6M TREND | 1Y DELTA | 1Y TREND |
|---|---|---|---|---|---|---|---|
| Apple Inc. SYMBL: AAPL | $ 129.61 | ↓ 27.7% | | ↓ 6.9% | | ↓ 8.2% | |
| Adobe Inc. SYMBL: ADBE | $ 337.58 | ↓ 40.7% | | ↓ 8.4% | | ↑ 3.3% | |
| Amazon.com, Inc. SYMBL: AMZN | $ 84.18 | ↓ 50.2% | | ↓ 22.7% | | ↓ 8.9% | |
| Salesforce, Inc. SYMBL: CRM | $ 132.54 | ↓ 47.9% | | ↓ 22.3% | | ↓ 12.6% | |
| Cisco Systems, Inc. SYMBL: CSCO | $ 47.50 | ↓ 25.7% | | ↑ 10.8% | | ↓ 1.6% | |
| Alphabet Inc. SYMBL: GOOGL | $ 88.45 | ↓ 39.7% | | ↓ 20.8% | | ↓ 7.1% | |
| IBM Corporation SYMBL: IBM | $ 141.06 | ↑ 5.8% | | ↑ 0.2% | | ↓ 3.7% | |
| Intel Corporation SYMBL: INTC | $ 26.21 | ↓ 49.4% | | ↓ 29.7% | | ↓ 9.3% | |
| Meta Platforms, Inc. SYMBL: META | $ 120.26 | ↓ 64.9% | | ↓ 26.6% | | ↑ 9.9% | |
| Microsoft Corporation SYMBL: MSFT | $ 241.01 | ↓ 29.5% | | ↓ 7.4% | | ↑ 0.3% | |
| Netflix, Inc. SYMBL: NFLX | $ 291.12 | ↓ 52.3% | | ↑ 63.2% | | ↑ 3.6% | |
| NVIDIA Corporation SYMBL: NVDA | $ 146.03 | ↓ 51.3% | | ↓ 6% | | ↓ 6.6% | |
| Oracle Corporation SYMBL: ORCL | $ 81.40 | ↓ 7.7% | | ↑ 17.6% | | ↑ 0.7% | |
| Tesla, Inc. SYMBL: TSLA | $ 121.82 | ↓ 66.4% | | ↓ 46.7% | | ↓ 32.6% | |

ggle, W6 2023 #TidyTuesday

# TidyTuesday Datasets for 2023

Archive of datasets and articles from the 2023 series of `#TidyTuesday` events.

| Week | Date | Data | Source | Article |
|---|---|---|---|---|
| 1 | `2023-01-03` | Bring your own data from 2022! | | |
| 2 | `2023-01-10` | Bird FeederWatch data | FeederWatch | Over 30 Years of Standardized Bird Counts at Supplementary Feeding Stations in North America: A Citizen Science Data Report for Project FeederWatch |
| 3 | `2023-01-17` | Art history data | arthistory data package | Quantifying Art Historical Narratives |
| 4 | `2023-01-24` | Alone data | Alone data package | Alone R package: Datasets from the survival TV series |
| 5 | `2023-01-31` | Pet Cats UK | Movebank for Animal Tracking Data | Cats on the Move |
| 6 | `2023-02-07` | Big Tech Stock Prices | Big Tech Stock Prices on Kaggle | 5 Charts on Big Tech Stocks' Collapse |
| 7 | `2023-02-14` | Hollywood Age Gaps | Hollywood Age Gap Download Data | Hollywood Age Gap |

# How to get the data

R package

```
# Get the Data

# Read in with tidytuesdayR package
# Install from CRAN via: install.packages("tidytuesdayR")
# This loads the readme and all the datasets for the week of interest

# Either ISO-8601 date or year/week works!

tuesdata <- tidytuesdayR::tt_load('2023-02-14')
tuesdata <- tidytuesdayR::tt_load(2023, week = 7)

age_gaps <- tuesdata$age_gaps

# Or read in the data manually
```

Read in csv

```
  age_gaps <-
  readr::read_csv('https://raw.githubusercontent.com/rfordatascience/tidytuesday/master/data/2023/2023-02-14/a
  ge_gaps.csv')
```

# Let’s go!

Share the poll

Break out rooms for ~30 minutes

We will come back here to share work and then wrap up!

# Share your work!

Add information here on how to share (screenshot to google drive)

Prizes (random selection):

1. R hex zipper pouch
2. Stickers
3. Book
4. Add

Please join google doc for Q&A:

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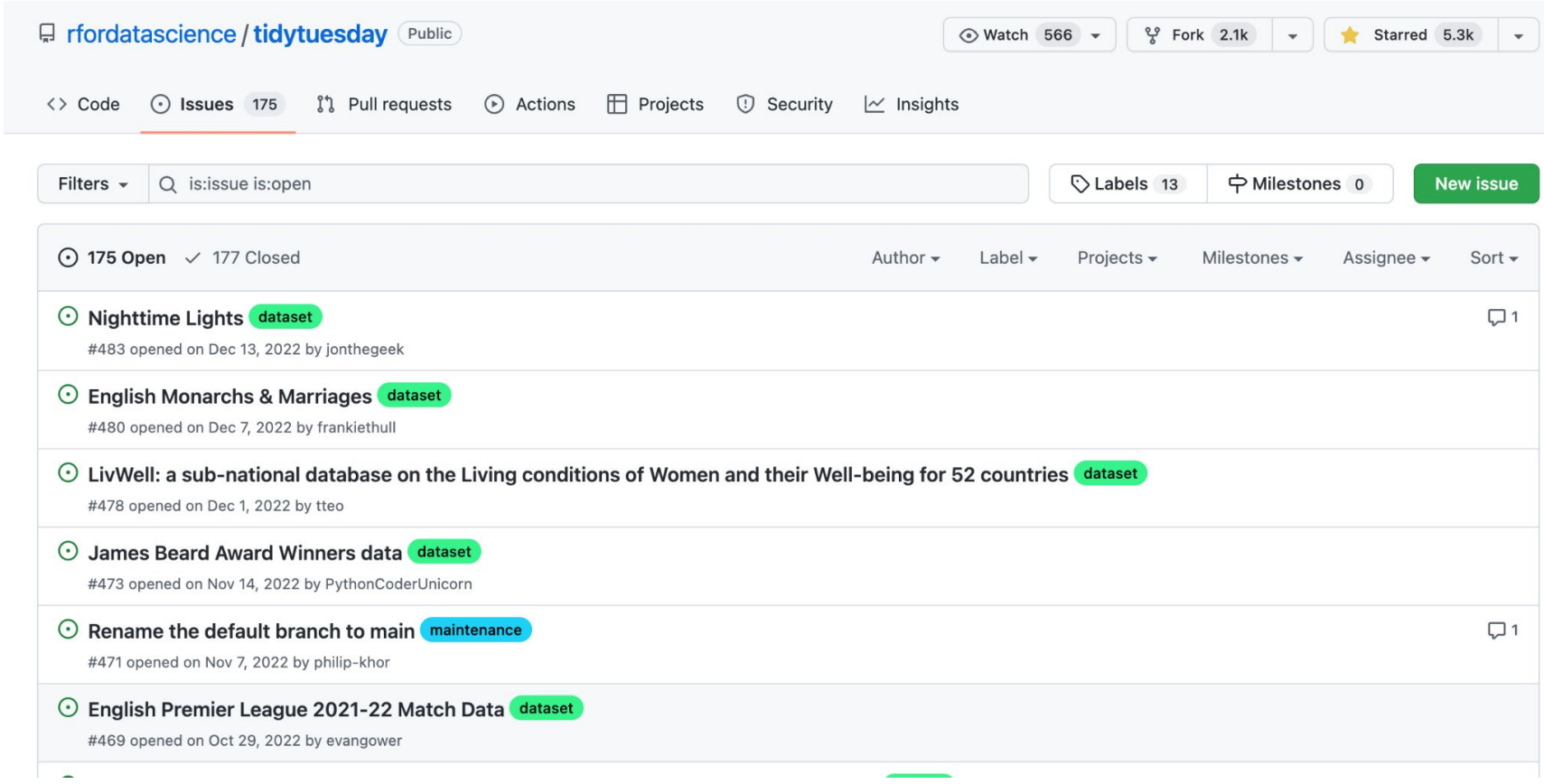
# How to nominate a dataset!



https://github.com/rfordatascience/tidytuesday

## Submitting Datasets

`TidyTuesday` is built around open datasets that are found in the "wild" or submitted as Issues on our GitHub.

If you find a dataset that you think would be interesting, you can approach it through two ways:

## Two Ways to Contribute

1. **Submit the dataset as an Issue**
   a. Find an interesting dataset
   b. Find a report, blog post, article etc relevant to the data
   c. Submit the dataset as an Issue along with a link to the article

2. **Create an entire TidyTuesday challenge!**
   a. Find an interesting dataset
   b. Find a report, blog post, article etc relevant to the data (or create one yourself!)
   c. Let us know you've found something interesting and are working on it by filing an Issue on our GitHub
   d. Provide a link or the raw data and a cleaning script for the data
   e. Write a basic `readme.md` file using the minimal template below and make sure to give yourself credit!

# Tips for nominating a dataset

Broad interest

Data dictionary - easy to understand

CSV

Example that I used:

https://github.com/awalsh17/ravelry_yarns