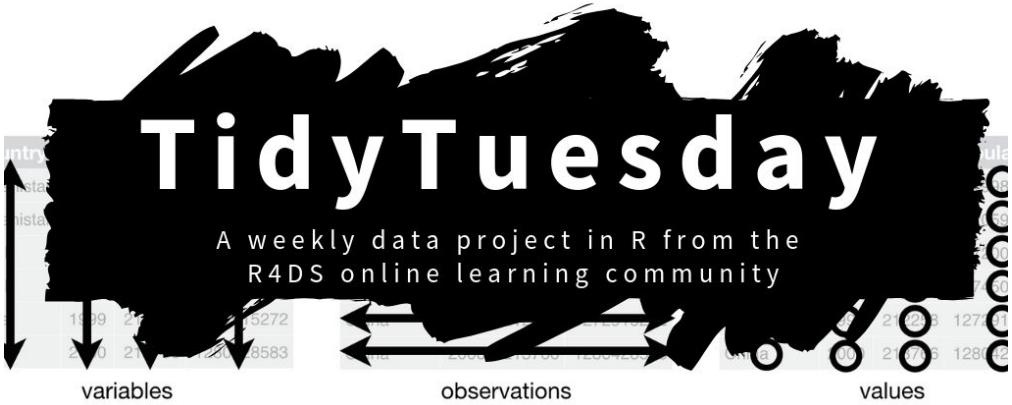
R Meetup Group

Meet and code together #tidytuesday

What is #tidytuesday?

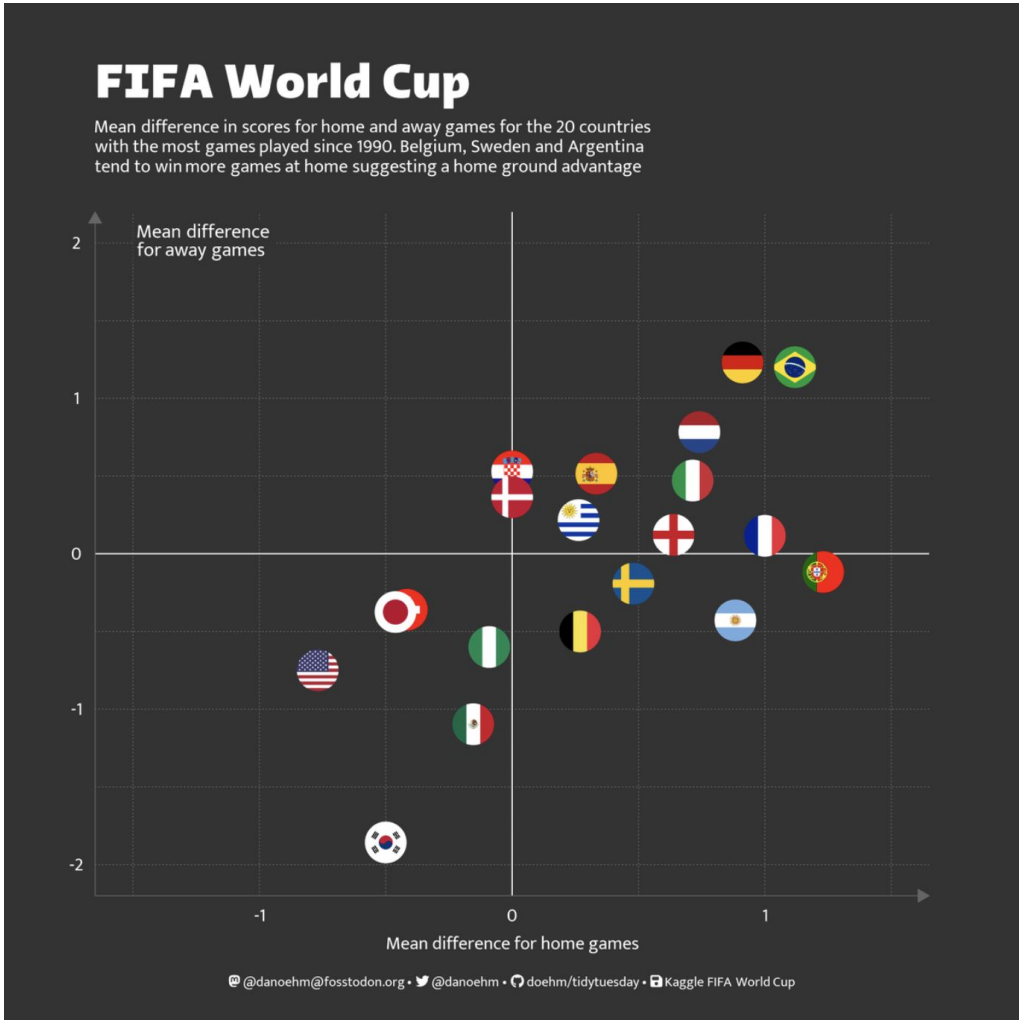
- **TidyTuesday is a weekly social data project**
  - Goal is to just play around with a data set → practice data analysis or visualizations

- Organized by the R4DS Online Learning Community and everyone is welcome and encouraged to participate!

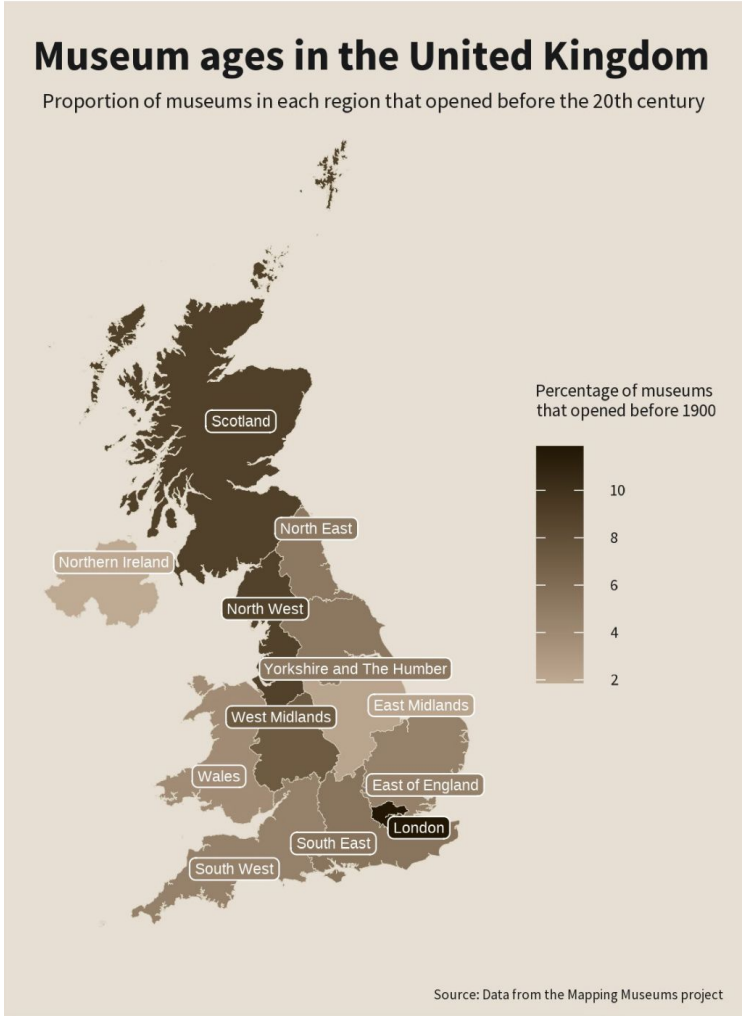


https://github.com/rfordatascience/tidytuesday

Some examples:



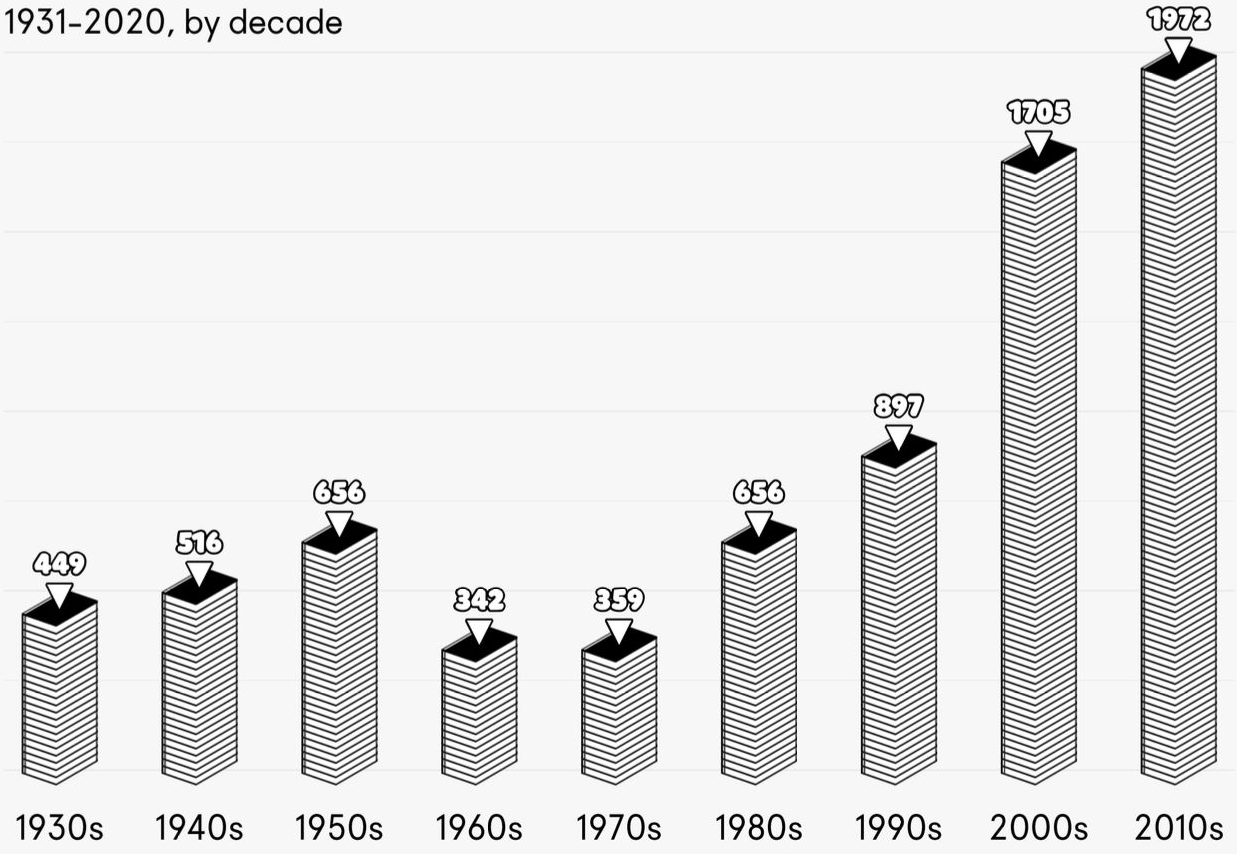
Created by Dan Oehm (@danoehm) for #TidyTuesday



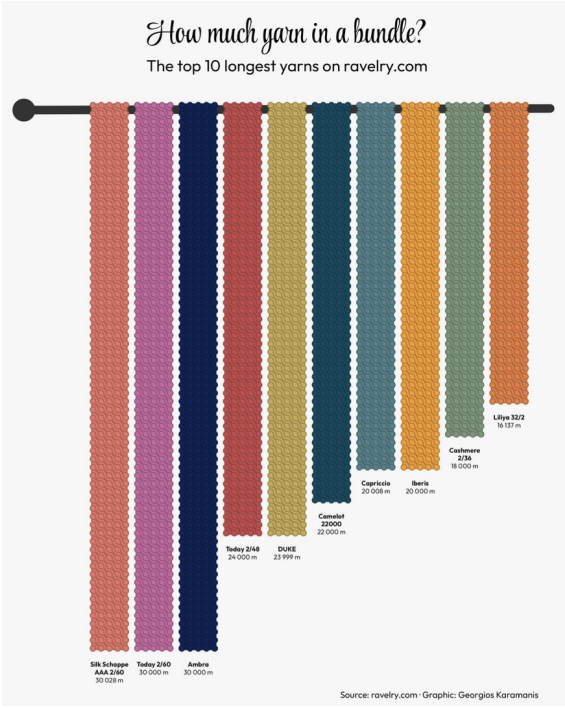
Created by Pauline Baudry (@paubaudry) for #TidyTuesday

Number of books featured in The New York Times Hardcover Fiction Bestsellers

1931-2020, by decade



Source: Post45 Data Collective · Graphic: Georgios Karamanis



Created by Georgios Karamanis (@geokaramanis) for #TidyTuesday

Today, let’s play with:

Data about **London Marathon**

https://github.com/rfordatascience/tidytuesday/blob/master/data/2023/2023-04-25/readme.md

```
# 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!

library(tidytuesdayR)
tuesdata <- tidytuesdayR::tt_load('2023-04-25')
tuesdata <- tidytuesdayR::tt_load(2023, week = 17)
winners <- tuesdata$winners
london_marathon <- tuesdata$london_marathon
```

Tips

Keep it simple:

- Explore the data, clean it, understand it!
  - You can try functions you haven't tried before or try to do things in a different way
- Build an easy visualization
  - Improve it layer by layer
  - (Maybe) focus on one thing only: **highlighting, annotations, theme**

Some packages you can explore:

Patchwork, ggeasy , gghalves, ggthemes, ggdist, ggrepel

Other interesting resources:

www.datavizproject.com
www.data-to-viz.com