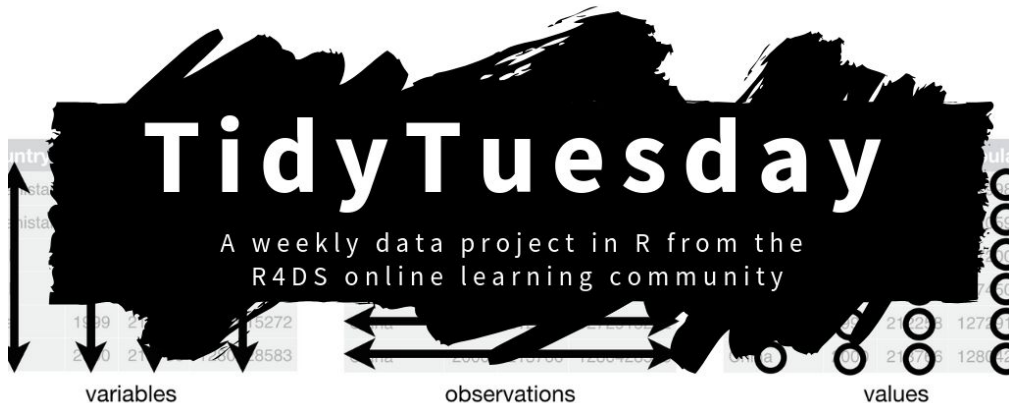


R Meetup Group

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!

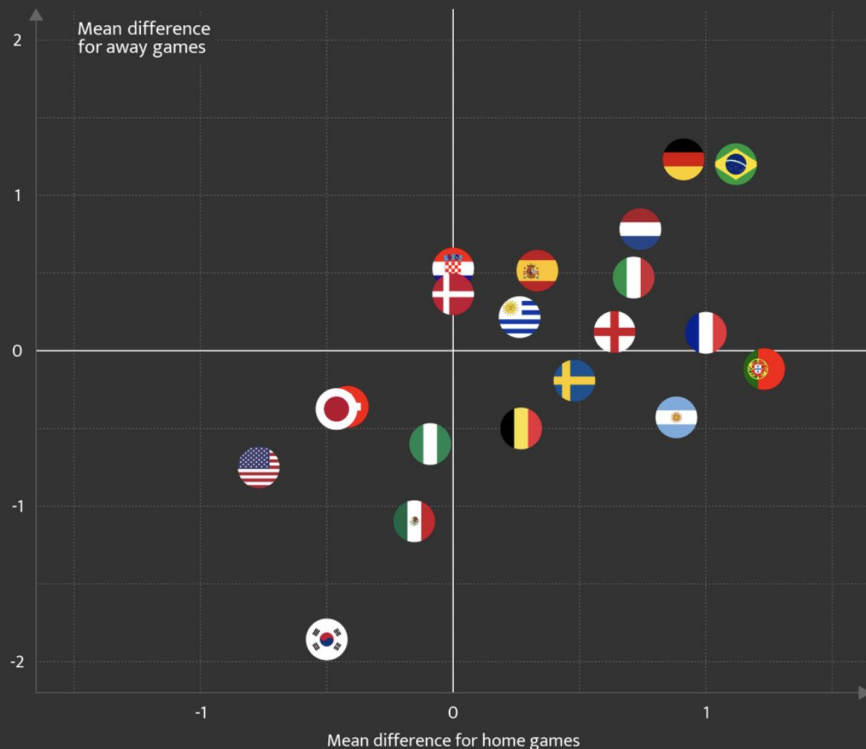


<https://github.com/rfordatascience/tidytuesday>

Some examples:

FIFA World Cup

Mean difference in scores for home and away games for the 20 countries with the most games played since 1990. Belgium, Sweden and Argentina tend to win more games at home suggesting a home ground advantage

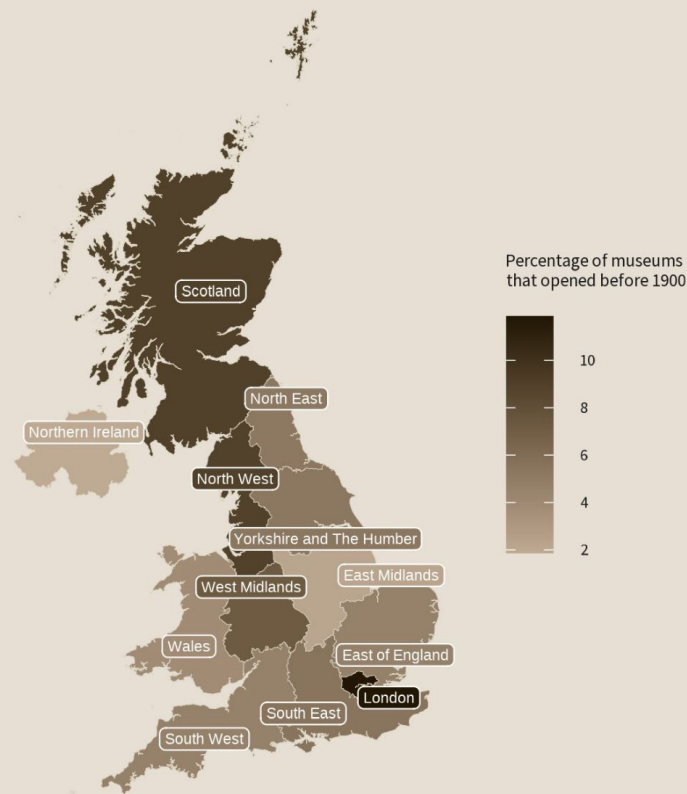


@danoehm@fosstodon.org • @danoehm • doehm/tidytuesday • Kaggle FIFA World Cup

Created by Dan Oehm (@danoehm) for #TidyTuesday

Museum ages in the United Kingdom

Proportion of museums in each region that opened before the 20th century

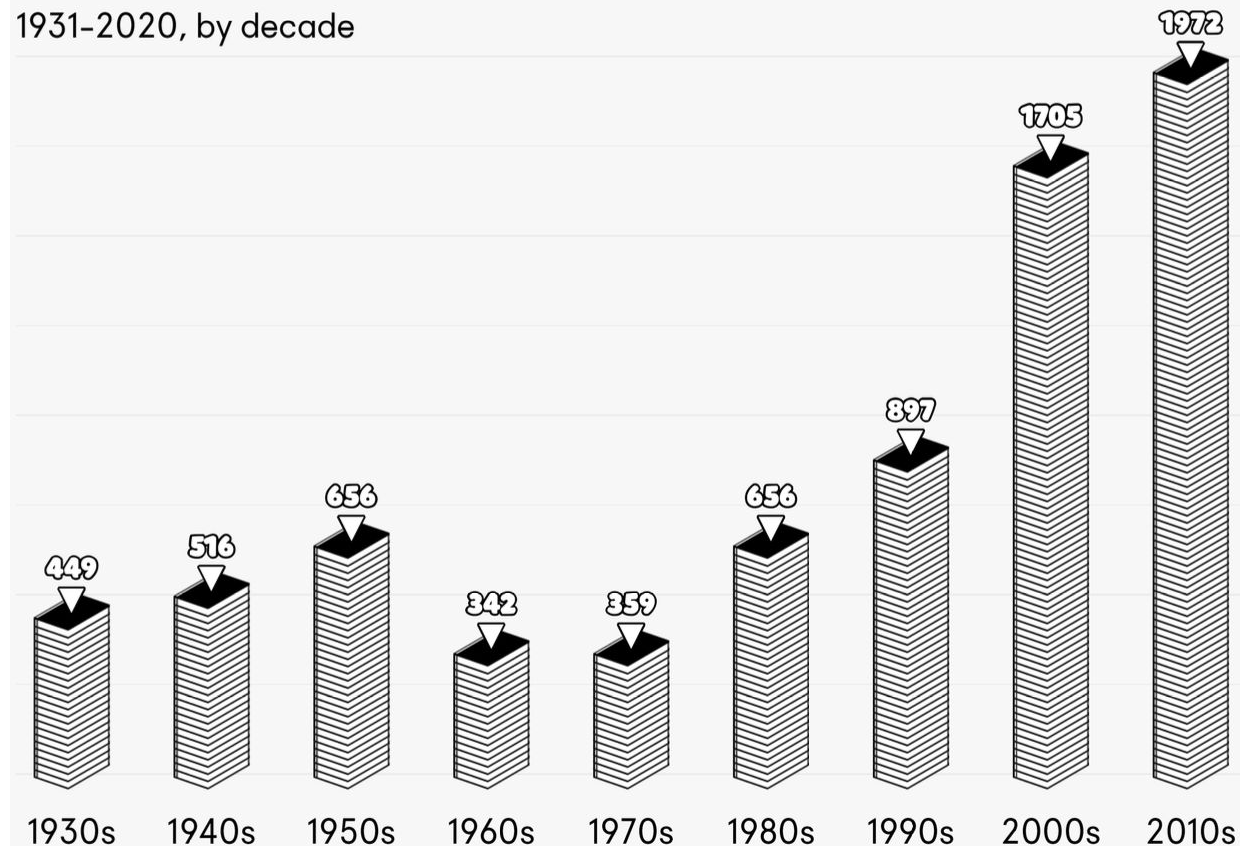


Source: Data from the Mapping Museums project

Created by Pauline Baudry (@paubaudry) for #TidyTuesday

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

1931-2020, by decade

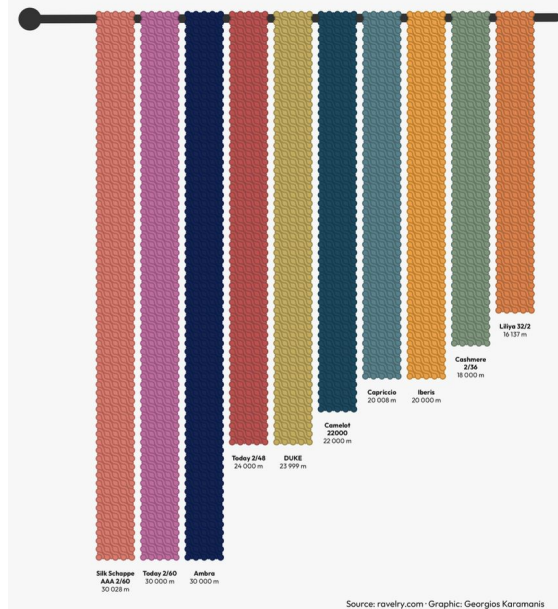


Source: Post45 Data Collective · Graphic: Georgios Karamanis

Created by Georgios Karamanis (@geokaramanis) for #TidyTuesday

How much yarn in a bundle?

The top 10 longest yarns on ravelry.com



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