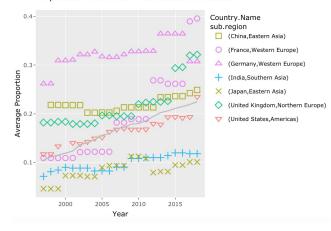


Agenda

- Why data visualization?
- Overview of project
- Searching for data
- RStudio
- Publishing your work
- Further inspiration

Proportions of Women in Government Positions



Why Data Visualization?



172.

UER.

Tell a story

All aspects of life have

Summarize

A picture is worth a thousand words.

some associated data.

Data's everywhere

Take complex things, make them accessible.

04.

Share Info

U5.

Detect patterns

See and identify trends and anomalies.

1)-5.

Beautiful things are meant to be shared!

Make Predictions

Data can provide insights into the future.

Tours...



We'll be working with data on women in leadership to visualize how the US compares to other countries in terms of representation. Then, we will publish our work for others to view.



Searching for Data

Start with sites dedicated to datasets:

- datasetsearch.research.google.com/
- kaggle.com/datasets
- public.opendatasoft.com/explore/

Use keywords and filters to narrow your search.







Links for Today's Workshop

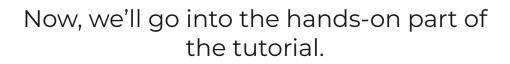


- https://rstudio.cloud/ -> Must create an account
- https://github.com/SamanthaLLee/Pre-HackHERS-R-Viz
- https://rpubs.com/ -> Must create an account

Follow Along W/Sam or on Youilus:)

7









Background

Many boast America to be the land of the free. But is its population truly represented in government? Let's compare the numbers.

Here is a summary of the global data on female political representation:

```
Country.Name
                      Country.Code
                                             Year
   Length: 4945
                      Length: 4945
                                       Min.
                                             :1997
   Class icharacter
                      Class :character
                                       1st Qu.:2002
   Mode :character
                     Mode :character
                                       Median :2008
00
                                        Mean :2008
                                        3rd Qu.:2014
00
                                              :2019
                                        Max.
55
   Proportion.of.seats.held.by.women.in.national.parliaments....
   Min. 10.00000
    1st Ou.:0.09673
   Median :0.16071
         :0.17100
   Mean
   3rd Qu.:0.22449
   Max. 10.63750
   NA's :152
```

Here is a summary of countries and their regions:

```
## name alpha.2 alpha.3 country.code

## Length:249 Length:249 Min. : 4.0

## Class:character Class:character lst Qu.:218.0
```



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The R Graph Gallery

https://www.r-graph-gallery.com/



r/dataisbeautiful

https://www.reddit.com/ r/dataisbeautiful/



Information is Beautiful

https://informationisbea utiful.net/





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Register for HackHERS @ https://ruhackhers.org



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