



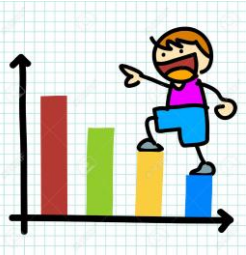
Assignment 1

World's Ugliest Plot
Competition

Your Mission



- Obtain some data and produce two separate plots of it.
 - Data can consist of measurements you have taken or have obtained from some other source.
- **Plot #1:**
 - Should be a very formal plot that is easy to grasp the contents of.
- **Plot #2:**
 - Should be the ugliest plot you can conceivably create.
 - Nothing is off limits: pictures, watermarks, crazy fonts, transformations, unusual axis orientations, etc.



Other Rules/Notes

- Both plots should contain the same data.
- Both plots must be created using ggplot.
- You are allowed to use other R packages to help modify your ggplot.
 - E.g., add images
- You cannot ask the instructor or TA for help.
 - If you don't know how to do something, you have to look it up and solve the issue.
- Plots should have a resolution of at least 300 dpi or be a vector graphic.

Some Places to Find Data



➤ R has built-in data sets:

- Run the code “data () ” to get a list.
- Type the name of the data set to produce its contents.
 - E.g., “Titanic”
- You can type “?” before the name of a data set to get information on it.
 - E.g., “?Titanic”

➤ Many R Packages come with data sets:

➤ E.g.

```
install.packages("UsingR")  
library(UsingR)  
data(package = "UsingR") #lists data sets
```

➤ There are plenty of websites that contain publicly available data.

➤ E.g., Kaggle:

- <https://www.kaggle.com/datasets>

Submission Requirements

- Submit your assignment on eClass:
 - Upload a image file of each plot.
 - Must have a resolution ≥ 300 dpi or be a vector graphic.
 - Upload a CSV file of your data.
 - Upload a copy of your R code.

- Due April 7th by Midnight
 - Late assignments will NOT be accepted and will receive a grade of zero.
 - If eClass does not work properly, send your assignment via email (so there is a time-stamp).
 - If you are unable to complete your project, or have ethical concerns, contact me immediately.





1st Prize



Can I have 1 studying to go please?



Oh, and a cup of motivation too if you have that?