



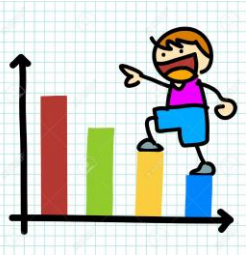
# Plotting Assignment

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.
  - Data we used in class is not permitted.
- **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 set.
- 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

- The following files need to be submitted:
  - Upload a image file of each plot.
    - Must have a resolution  $\geq 300$  dpi or be a vector graphic.
  - Upload a CSV file of your data.
  - Upload a copy of your R code.
- Due Friday November 28<sup>th</sup> by 23:59
  - Late assignments will NOT be accepted and will receive a score of zero.
    - If you are unable to complete your project, or have ethical concerns, contact the instructor immediately.





# 1st Prize



Can I have 1 studying to go please?



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



# scully wanting to believe



# Total Number of People Who Yee'd their Last Haw in Alberta





27  
3F

27  
3F

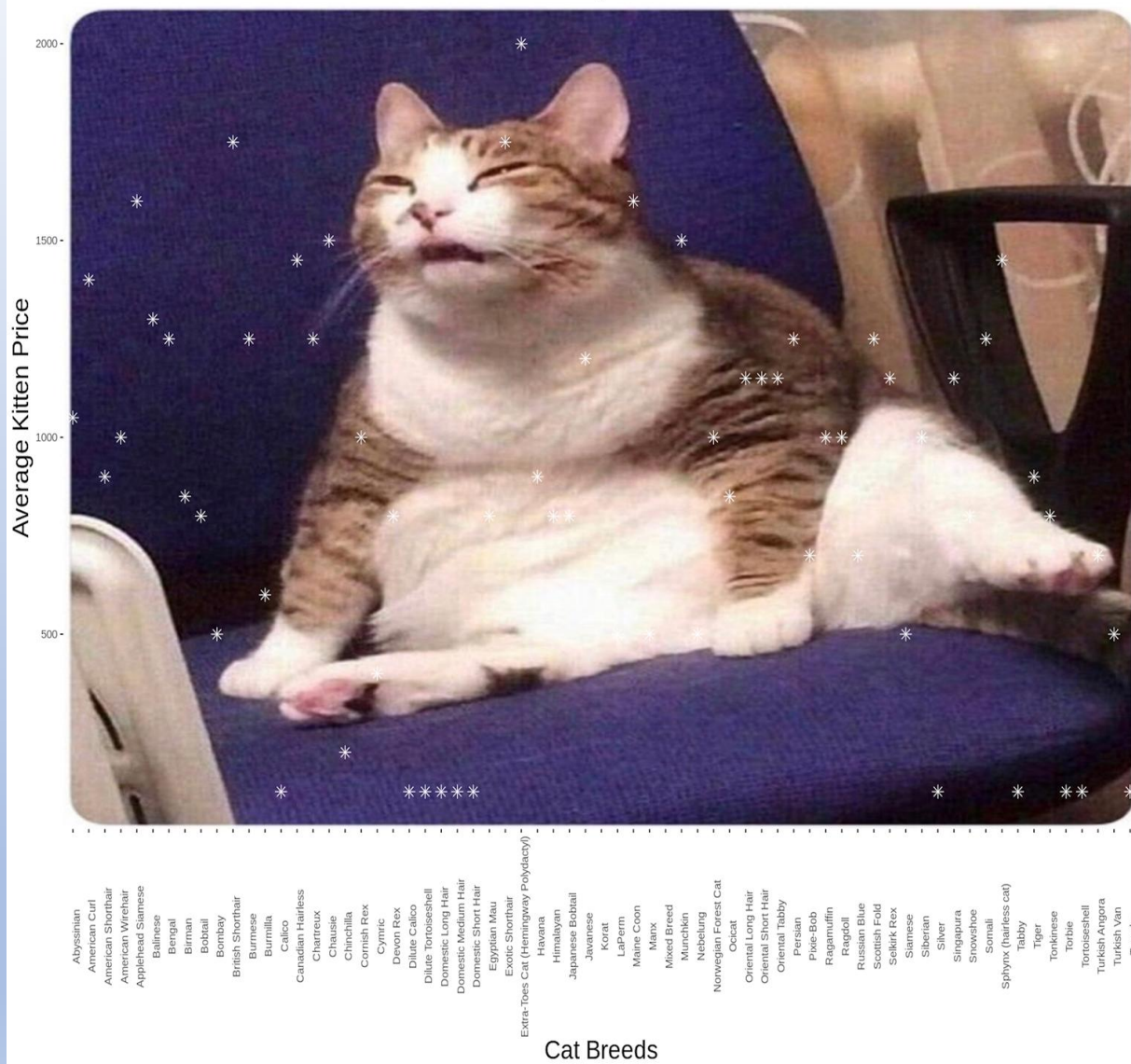
27  
3F

# Price of Kittens per Cat Breed

27  
3F

27  
3F

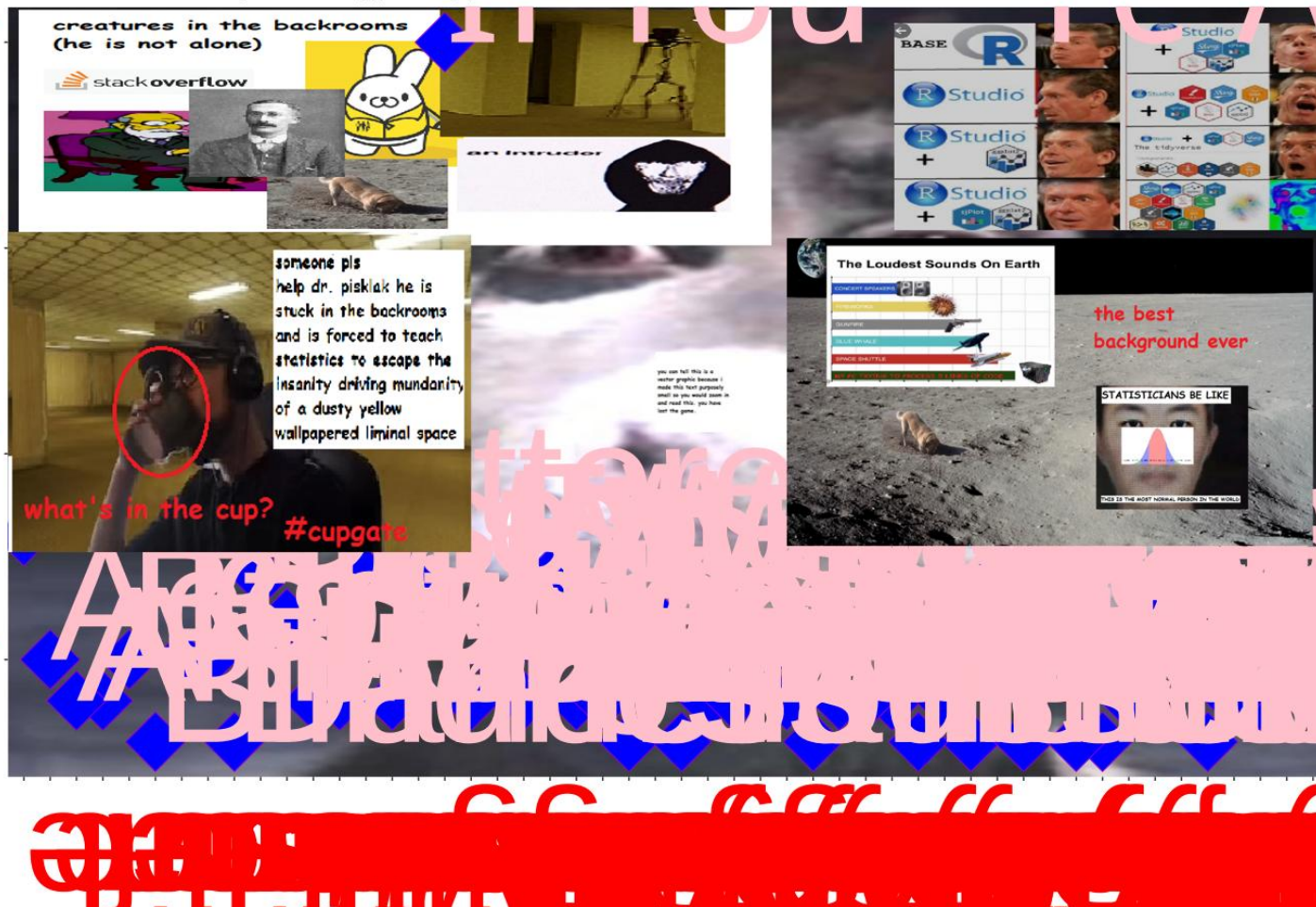
27  
3F



User Rating (Average) one time i woke up from a nightmare that i messed up my code for a homework assignment so i stayed up from like 3 am to 5 am making sure that i didnt mess up and oh my god i just wanna pass please anyways enough of my breakdown im just going to paste an entire chapter of the odyssey to make this plot look even more ugly than it already is recover he suffered much by sea while trying to save his own life and bring his men safely home; but do what he might he could not save his men, for t him into a large cave and wanted to marry him. But as years went by, there came a time when the gods settled that he should go back to ithaca; ev one there to accept a hecatomb of sheep and oxen, and was enjoying himself at this festival, but the other gods met in the house of olympian jove, a

9.25  
07.6  
02.6  
15  
07.6  
9.10

The Top 50 Most Popular Creepypastas and Their Average User Rating According to Creepypasta.com (2021) i love R. i love plots. i love statistics. R is my church and ggplot is my god. i have been broken down and converted.



Most Popular Creepypastas (2021) PLEASE LISTEN TO ME THIS IS A CRY FOR  
HELP I DREAM AT NIGHT ABOUT GGLOT. I CANNOT STOP THINKING ABOUT CODE AND IT IS RUINING ME.  
I HAVEN'T EATEN IN 2 WEEKS AND IM SEEING ERRORS IN REALITY I WISH STACKOVERFLOW COULD GIVE ME SOLUTIONS TO MY LIFE



# Is Tuition Increasing Faster Than Inflation At The University of Alberta?????



# US Violent Crime Rate

