PROPOSED PROBLEMS

- Given the tweets and posts about Jollibee's strawberry fries, how do we determine how many reactions are generally positive or negative? Results will be visualized in a histogram.
    - Can also connect reactions before and after tasting the product
    - **DATA SOURCE:**
    - **HOW TO OBTAIN THE DATA SET**
- ^^ Can also be done with viral tweets or threads like the fully booked love story, halloween priest story, among others.
    - **DATA SOURCE:**
      https://twitter.com/EliseApilado/status/922823064827523072
    - **HOW TO OBTAIN THE DATA SET**
- Given tweets regarding pineapple on pizza, how many users believe that pineapple should or should not belong on pizza?
    - **DATA SOURCE:**
        - https://twitter.com/search?q=pineapple%20belongs%20on%20pizza&src=typd
        - https://twitter.com/search?f=tweets&vertical=default&q=pineapple%20DOES%20NOT%20belongs%20on%20pizza&src=typd
    - **HOW TO OBTAIN THE DATA SET:**
        - Go through each data source and record each user that says pineapple belongs on pizza/does not belong on pizza
        - Each like on a tweet may also be recorded to see how many people agree with the tweet

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CS 129.1

Approved Problem

- Given tweets regarding pineapple on pizza, how many users believe that pineapple should or should not belong on pizza? Results will be visualized in a histogram.

Description

- **Data Source:**
  - The following phrases were used as a datasource:
    - Positive:
      - “I like pineapples on pizza”
    - Negative:
      - “I don’t like pineapples on pizza”
      - “I do not like pineapples on pizza”

- **How to Obtain the Data Set:**
  - At first, the group wanted to use the API of twitter to retrieve the data set, however, twitter’s API allows the user to scrape tweets within 7 days only.
  - With that being said, we used a twitterscraper found on github by taspinar. It can be found here: https://github.com/taspinar/twitterscraper
  - Next, go to twitter and search for the query that you wish to see. Copy paste a part of the url on the terminal and run the twitterscraper. The data will be saved in a json file.
  - Each like on a tweet may also be recorded to see how many people agree with the tweet
  - Each retweet on a tweet may also be recorded to see how many people agree with the tweet

- **Analysis**:
  - Find the trend of when people post a lot about it (high point and low point)

- Compare by year (2016 vs 2017), month, days of the week
- Compare the trends
    - Find where there were many tweets about it
    - Check if there is a direct relationship