**Sentiment Analysis**

***Project Design***

**Main Functions:**

* Call TextBlob library
* Connect to Twitter to get data from different users.
* Extract the data from user with Pandas
* Use TextBlob to analyze data from user in Twitter
* Print the comments and rate them into positive, negative, and neutral
* Use pandas to represent the data visually

***Early Submission Current Progress:***

After reading the articles, I understood what Sentiment Analysis is. Basically, it is to analyze data in a text from people’s feedback and group them into positive, negative, or neutral categories. This is pretty useful because that is how companies can know what they need to improve by giving a better customer experience. Sentiment analysis not only focuses in companies but also can also be used in the areas of political science, sociology, and psychology to analyze trends, ideological bias, opinions, gauge reactions, etc.

How does this work? We use algorithms already created that analyzes and group them into positive, negative, and neutral. For example, the TextBlob library allow us to do such things.

For the first part of this project, I learned how to install the TextBlob library and its main methods to classify strings into positive, negative, neutral comments.

I also learned how to use pandas to extract data and represent these data visually with matplotlib library.

The Tweepy will allow me to connect to the Twitter API and allow me to extract data from users in Twitter. I will be focusing on comments and try to rate them with the TextBlob library

Overall, with all these knowledge, I will be start coding the project this upcoming week to come up with the final submission.

***Assumptions***

* All user comments will be classified into positive, negative, or neutral categories.
* There will be no comments without classification.
* Users chosen from Twitter will have comments to be analyzed