

# What's going on in the NFL (Twitter Analysis)



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## Questions asked

- Can we determine popularity based on twitter analysis
- Can we determine what time of the year it is based off of twitter analysis (off-season, preseason, regular season, post-season)
- Can we determine how well a team is doing/expected to do based off of twitter analysis

## Answers

- We can view a teams profile and can determine popularity loosely based off of twitter followers/success(Super Bowls)
- We can determine what time of year it is based off of a word analysis, to look for key words. Example(free, agent, draft, signing) so we can conclude that it's the off-season
- We can look at key words as well as do a sentiment analysis to determine the expectations/current success of a team



## Project Overview

- The point of this project was to see if we could mine twitter to find out useful information about our favorite NFL teams.

## Materials

4 Accounts per division	# of Tweets per Account
AFC East	100
AFC North	100
AFC South	100
AFC West	100
NFC East	100
NFC North	100
NFC South	100
NFC West	100

## Procedure

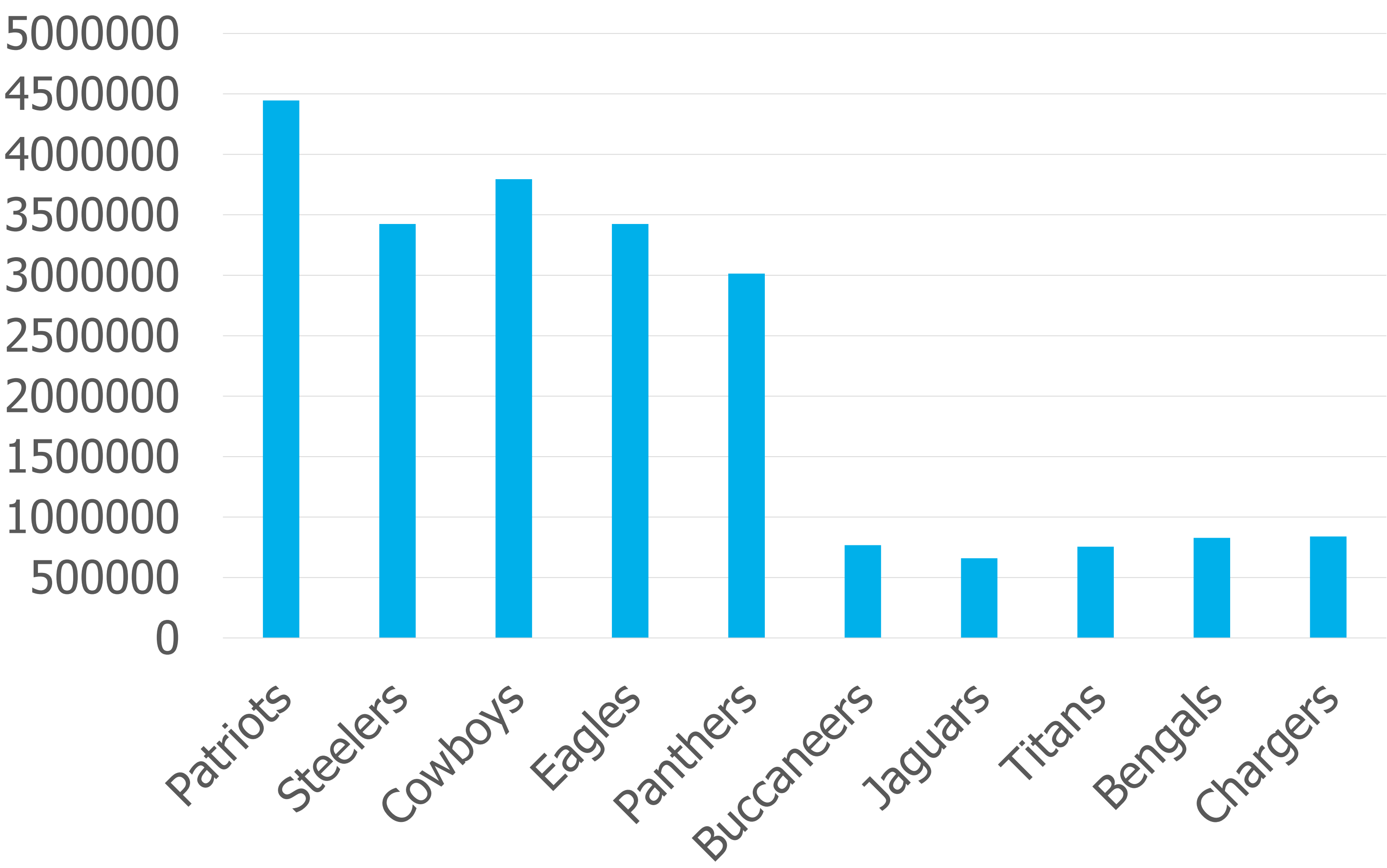
Step 1	Step 2	Step 3	Step 4
			
Grab data from Twitter and pickle	Analyze teams chosen	Record results	Post findings on GitHub

## Data / Observations

- Observation 1: Number of Super Bowl Appearances & Victories appears to have a direct correlation to popularity.
- Observation 2: Recent success doesn't seem to have much of an effect.
- Observation 3: Analyzing key words does make it easy to determine what season we are in. Example(free, agent, draft, signing, combine) all point to it being the off-season (and it is).

## Results

5 Highest & 5 Lowest # of Followers Using Web Scrapping



### Results

- Patriots: 4,446,030
- Steelers: 3,423,503
- Cowboys: 3,795,103
- Eagles: 3,424,277
- Panthers: 3,014,170
- Buccaneers: 768,203
- Jaguars: 659,909
- Titans: 755,070
- Bengals: 827,867
- Chargers: 839,844

## Conclusion

- In conclusion, from the data that we collected we were able to answer all of our questions that we asked, and show the results to prove it.
- Can we determine popularity of teams (YES)
- Can we determine the time of year (YES)
- Can we determine how well a team is doing/expected to do (YES)