

Analyzing Twitter Population Behavior based on Timberwolves Wins & Losses



Why Sentiment Analysis?

- Why AWS?
- If you are to sponsor a team…
- If you are to estimate merchandise •

The collective emotions in public posts will tell the team popularity or reveal the future

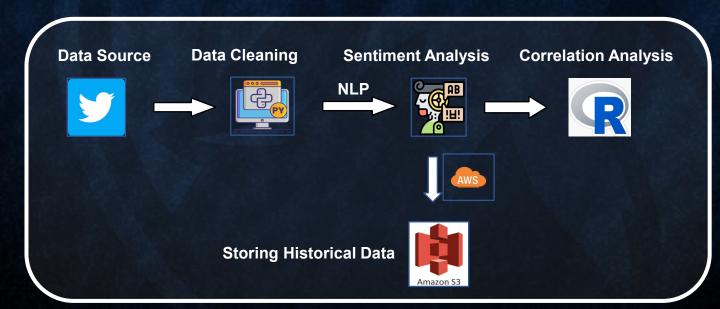
- Scalable storage
- Easy access
- High analytical frequency
- Compatibility with laaS,
 PaaS and SaaS



Process Roadmap

- Scrape relevant data from Twitter handles leveraging Python
- Conduct sentiment analysis on tweets
- Store the data into S3
- Find correlation between the Timberwolves' wins and the # of positive tweets





• • • The Big Reveal • • •

The # of positive tweets after a Timberwolves game is...



HIGHLY correlated with



LESS correlated with

- Timberwolves score (0.85)
- Assists (0.74)
- Rebounds (0.71)

- Blocks (0.13)
- Steals (0.17)
- \$ When Sponsoring, look at the winning features more!
- \$ When Selling, highlight more relevant products!

• • • Other Applications • • •



Public Policies

Understand Public Reactions:

Detect how people react to public policies by scraping social media responses, conducting sentiment analysis and studying the correlations between each aspects



Marketing

Evaluate Marketing Campaigns:

Monitor and measure customer feedback and interaction during a certain marketing campaign by streaming the sentiment analysis and associating customer attitudes with product features to further adjustment either on the campaign or the product

••• Our TEAM •••

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