

Steel City Statisticians

Sprint Project

Business Analytics

- Use Reddit and ESPN/Ringer Articles to track mentions of players
- Use mentions to determine current popularity of given players
- Current popularity provides insight into how viewers are perceiving news/games and indicates how they will bet
- Data can be used to analyze betting (ensure legality) and help increase fan interest
- As sports betting increases popularity, apply this directly to sports betting subreddits for more accurate data – current low volumes prevent insightful analysis

Result of Project

```
Sarahs-MacBook-Pro-4:Hack_Steel_City_Statisticians sarahmallepalle$ python3 ner_espn.py
**September 2018 ESPN Statistics**

MOST POPULAR PEOPLE:
Luca Doncic
D. Harris
Dirk Nowitzki
Devin Harris
Salah Mejri
DeAndre Jordan
Dirk
Luka Doncic
Chris Paul
Patrick Beverley
```

Potential Applications

- Dashboards with most popular people and teams being bet (especially with upsets)
- Highlight games to investigate for corruption (referees, match fixing, etc.)
- Predict revenue and viewership based betting pool size
- Regression on sentiment analysis, total comments, total posts with volume of bets

Trending Players (Reddit Sports Betting)



Lebron James (LAL)
MSS = 0.9



CJ McCollum (POR)
MSS = 0.423



Jayson Tatum (BOS)
MSS = 0.893



Russel Westbrook (OKC)
MSS = -0.987



DeMar DeRozan (SAS)
MSS = -0.833

Upset Alert

