

Brainwave matrix Solutions

Data Science/ Data Analytics Intern

Task-2 Report

Objective: Sentiment analysis of social media data using Natural Language Processing (NLP) models.

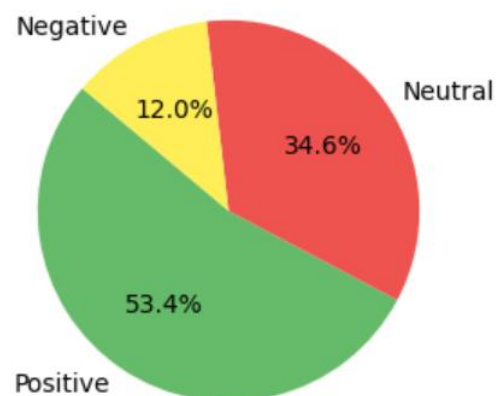
Dataset Used: Dataset containing around 50000 tweets regarding FIFA World Cup-2022.

Report:

1. Overall sentiment counts and percentage:

Positive	16118	Positive	53.360260
Neutral	10451	Neutral	34.599086
Negative	3637	Negative	12.040654

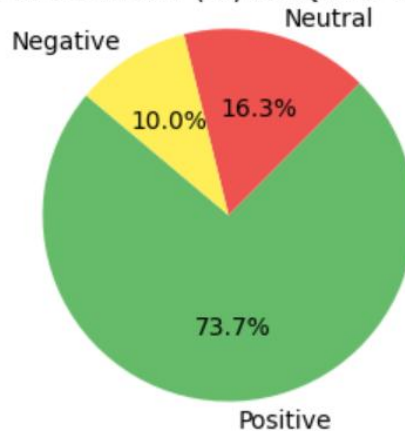
Overall sentiment Distribution



2. Sentiment analysis of Qatar as the host nation:

Positive	1110	Positive	73.66
Neutral	246	Neutral	16.32
Negative	151	Negative	10.02

Sentiment Distribution (%) on Qatar as Host Nation



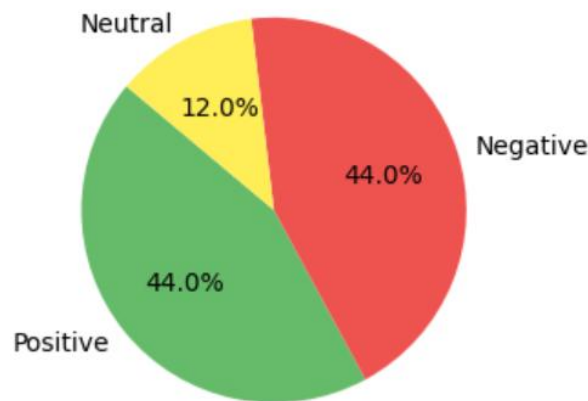
3. Word cloud of positive tweets on Qatar as the host.

Positive tweets of Qatar as host



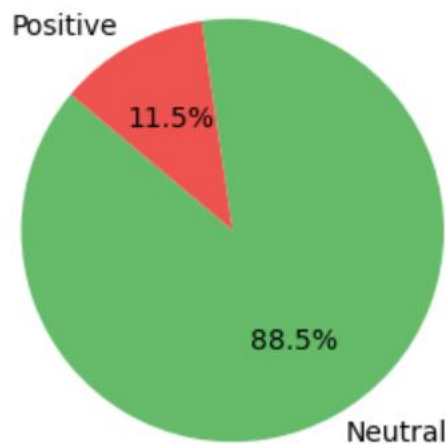
4. Analysis of Saudi Arabia vs Argentina Match

Sentiment Distribution (%) on Saudi Arabia vs Argentina



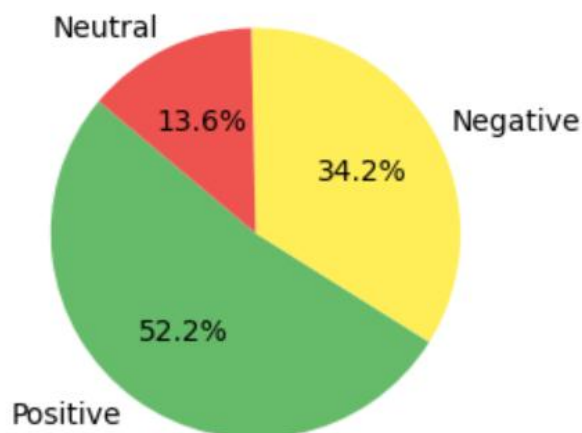
5. Analysis of Opening Ceremony

Sentiment on FIFA World Cup 2022 Opening Ceremony



6. Reactions on Portugal being eliminated

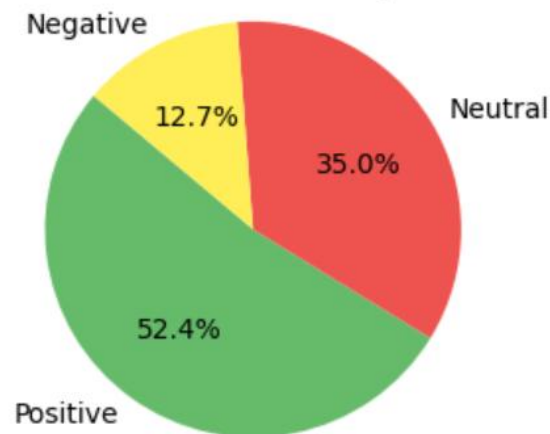
Sentiment on Portugal's Elimination & Ronaldo's Final World Cup



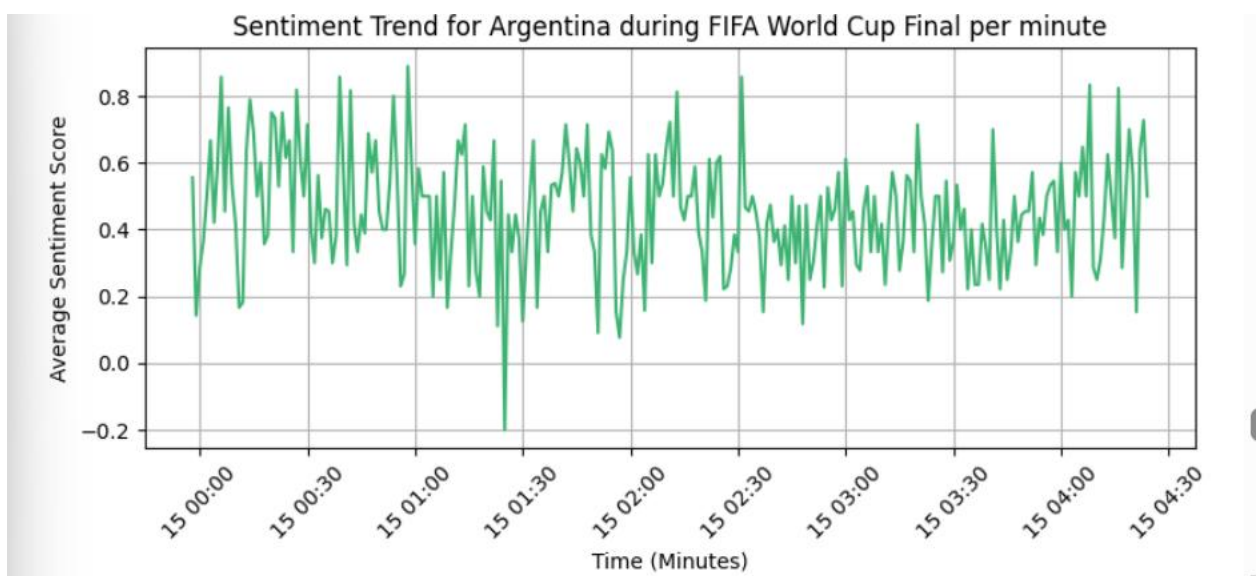
7. Sentiment analysis of 'whether the final match was worth it'.

Positive	6682	Positive	52.350360
Neutral	4465	Neutral	34.981197
Negative	1617	Negative	12.668442

Sentiment on FIFA World Cup 2022 Final



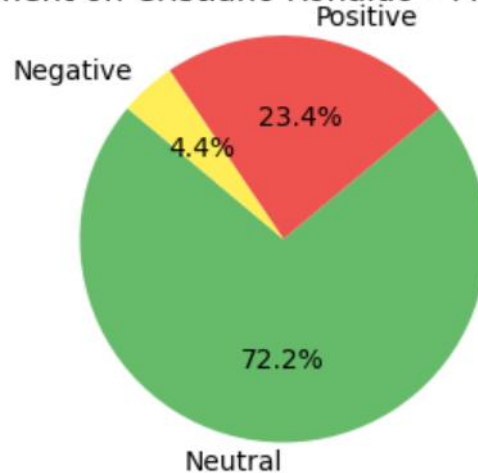
8. Sentiment trend per minute of 'Argentina' in the final.



9. Sentiment analysis on Ronaldo

Neutral	358	Neutral	72.177419
Positive	116	Positive	23.387097
Negative	22	Negative	4.435484

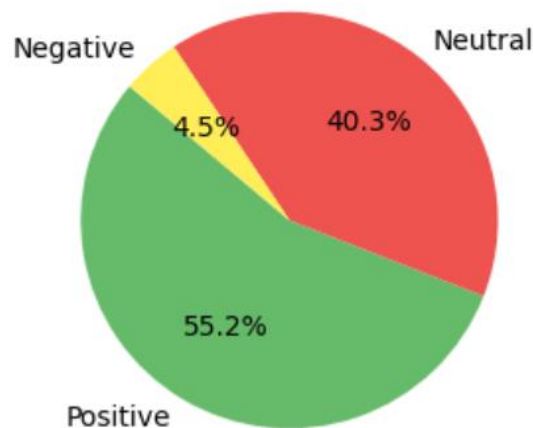
Overall Sentiment on Cristiano Ronaldo – FIFA World Cup 2022



10. Sentiment analysis on Messi

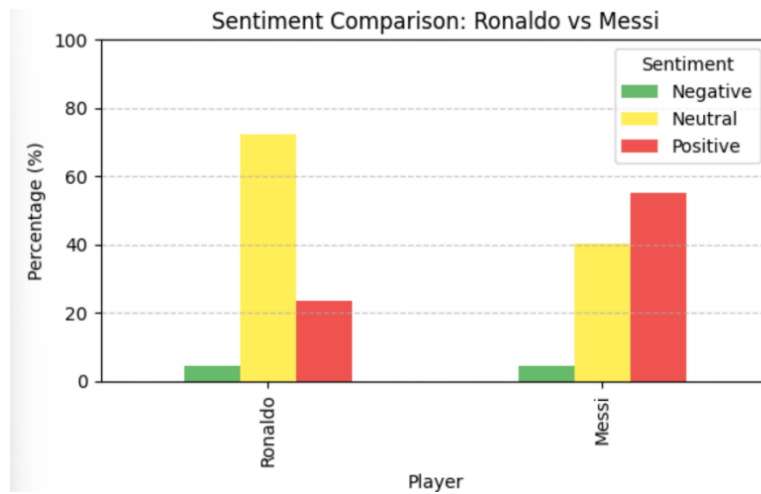
Positive	959	Positive	55.178366
Neutral	700	Neutral	40.276180
Negative	79	Negative	4.545455

Overall Sentiment on Lionel Messi – FIFA World Cup 2022

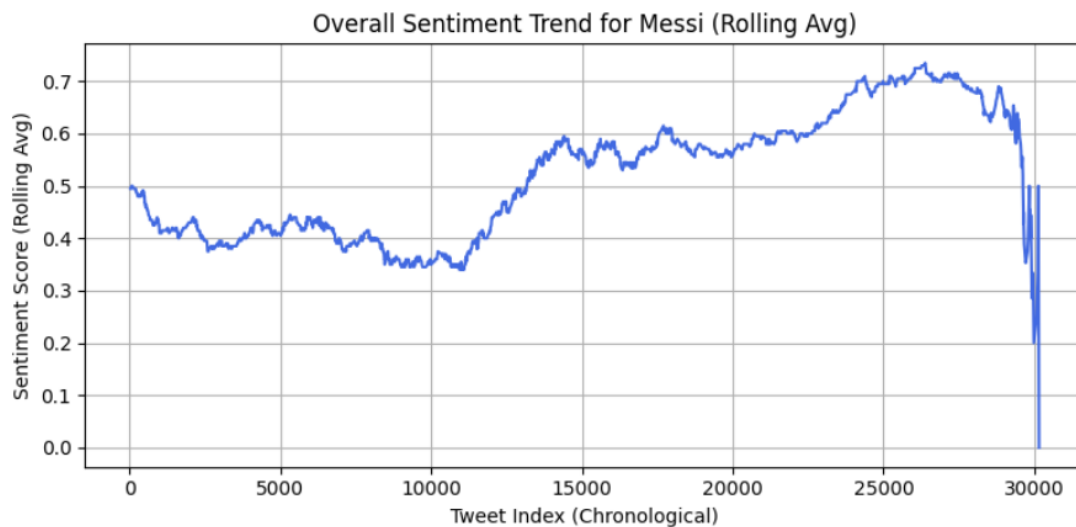


11. Ronaldo vs Messi

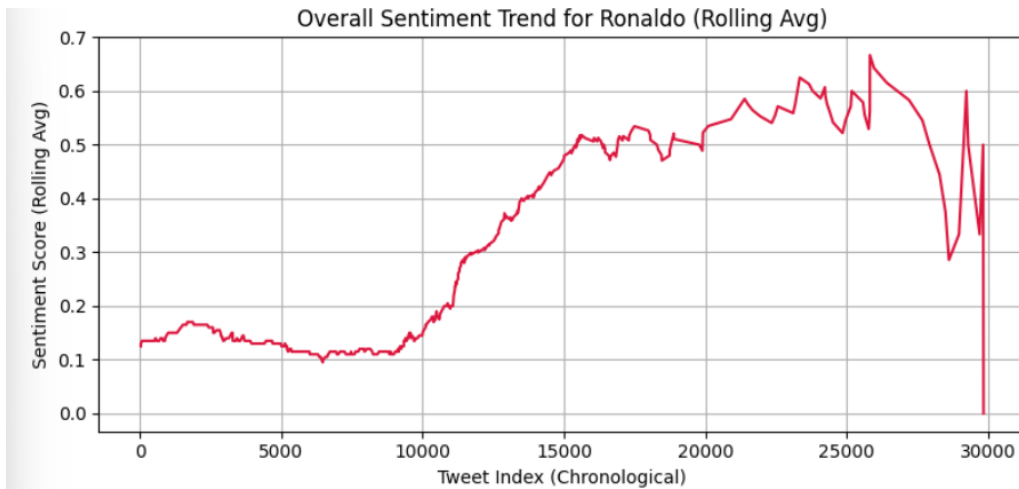
VADER_Sentiment	Negative	Neutral	Positive
Ronaldo	4.435484	72.177419	23.387097
Messi	4.545455	40.276180	55.178366



12. Overall sentiment trend for Messi (Rolling Average)



13. Overall sentiment trend for Ronaldo (Rolling Average)



14. Is Messi better than Ronaldo??

Sentiment of Tweets Claiming Messi is Better than Ronaldo

