INTRODUCTION:

Valentino rossi is an Italian professional motorcycle road racer and multiple motogp world champion. Rossi was born in Urbino, Marche and he was still a child when the family moved to Tavullia. Son of Graziano Rossi, a former motorcycle racer, he first began riding at a very young age.

Rossi is one of the most successful motorcycle racers of all time, with nine Grand Prix World Championships to his name – seven of which are in the premier class. He lost the 2006 title with a crash in the final round at Valencia, ceding the title to his former Honda teammate Nicky Hayden.

In 2007 Rossi and Yamaha were of no match to a dominant Casey Stoner on a Ducati, and Rossi ultimately finished a then career-low third overall. Rossi is currently contracted to race until the end of the 2020 season, when he will be 41 years old.

OBJECTIVE:

Main objective is to perform sentiment analysis on article about motor cycle racer Valentino rossi.

TOOLS USED:

- BeautifulSoup,Requests (web scraping)
- Nltk, vader
- WordCloud
- Matplotlib (visualization)
- Pandas

METHODOLOGY:

Web scraping is nothing but fetching or mining data from websites, which can be used to see insights and analysis purpose. Sentiment Analysis is a vital part of Text Mining. this is used for identifying the sentiment of given text, this helps us to understand the emotion of the author, whether the positive, negative or neutral.

Beautiful soup and request are the packages used for scraping data from web. Nltk ,vader, were used to perform sentiment analysis. Matplotlib is for visualization purpose.

Text Processing includes:
- Tokenization
- Lemmatization
- Term Document Frequency
- Parts of speech tagging
- Normalization

Word Cloud has been done for the two articles using the wordcloud package. Sentiment analysis is done using the vader package to find out the polarity scores. As well as Vader package is used to find out the emotion of author in the article which is positive, negative or neutral.

INSIGHTS:
- Valentino rossi is an Italian professional motorcycle road racer and multiple motogp world champion.
- Rossi is one of the most successful motorcycle racers of all time, with nine Grand Prix World Championships to his name – seven of which are in the premier class.
- Two articles were scrapped ,one is published in 2015 another one is 2019.
- In 2015 valentino doesn't have tough competition, but in 2019 marqs gave tough competition although rossi's reputation doesn't went down.
- Using sentiment analysis we found out the opinion of the authors based on the articles of rossi's carrier.
- By analysing the two articles we found that rossi doesn't had any remarks in his success.
- This shows the authors point of view towards him is positive. This makes new readers to create positive opinion on valentine rossi.
- From pie plot visualized article one ,we can say that 83%is neutral which tells that all the information in the article are facts, 18% is positive and 11% is of negative.
- From the article two ,we can say that 61%is neutral which tells that all the information in the article are facts, 24% is positive and 13% is of negative.

CONCLUSION

Valentino rossi is an Italian professional motorcycle road racer and multiple motogp world champion.

Rossi is one of the most successful motorcycle racers of all time, with nine Grand Prix World Championships to his name – seven of which are in the premier class.

Here we conclude that from the two articles, the authors point of view is positive among the valentino rossi. Sentiment analysis shows that the two article from 2015 and 2019 positive opinion among the rossi. From pie plot visualized 2015article ,we can say that 83%is neutral which tells that all the information in the article are facts, 18% is positive and 11% is of negative. From the 2019article ,we can say that 61%is neutral which tells that all the information in the article are facts, 24% is positive and 13% is of negative.

Rossi returned to the Yamaha Factory team for the 2013 MotoGP season. The Italian was back to his winning ways with the Japanese manufacturer and took the second place in the championship in 2014, 2015 and 2016 season. Authors point of view towards him is positive. This makes new readers to create positive opinion on valentine rossi.