

WHATSAPP DATA ANALYSIS ELECTRONICS GROUP

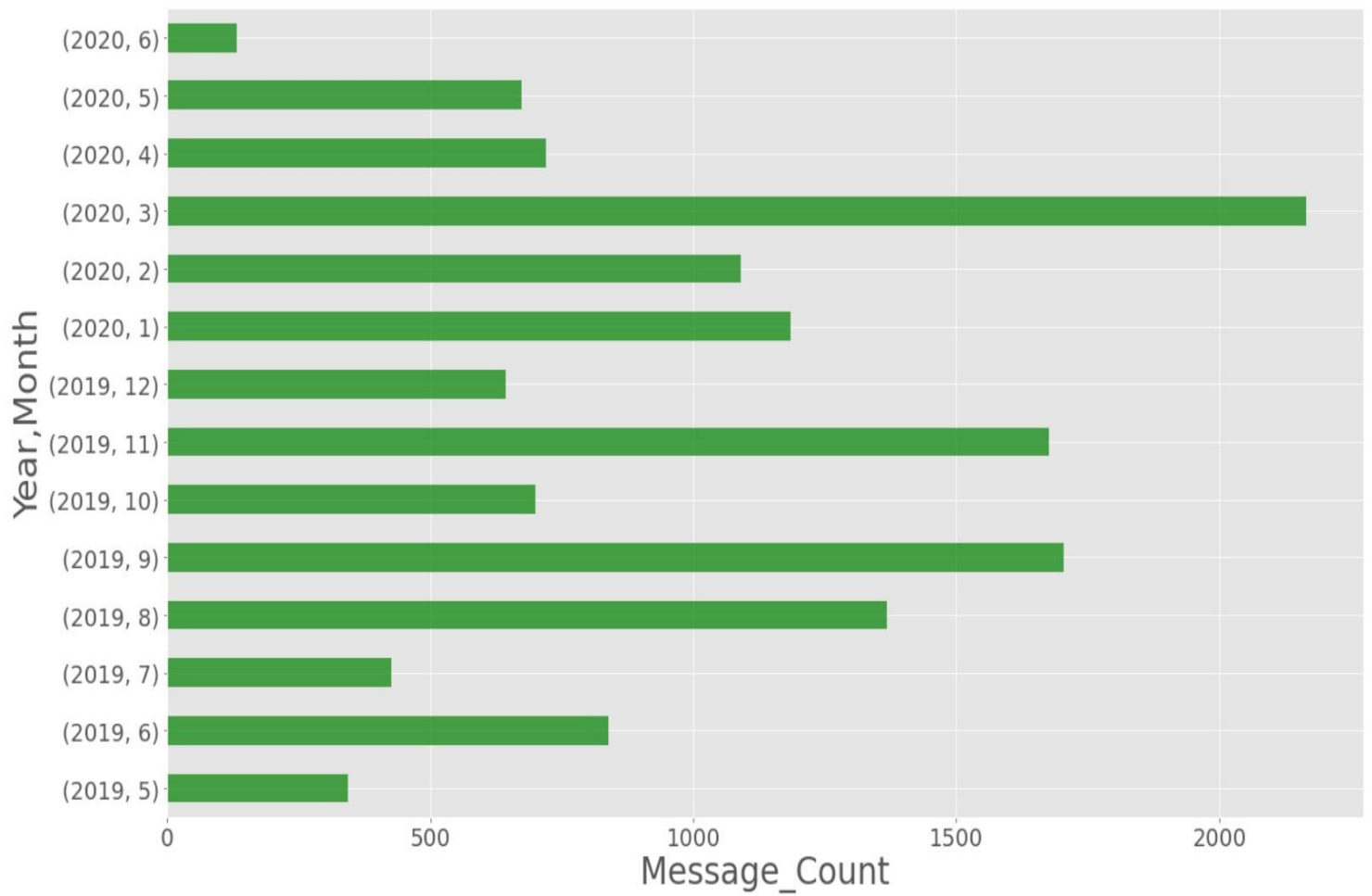
DATA INTERVAL

➡ The Data is taken from 2019-05-17 17:43:00 to 2020-04-04 19:17:00
Data is taken for an period of 323 days

BASIC WORDCLOUD



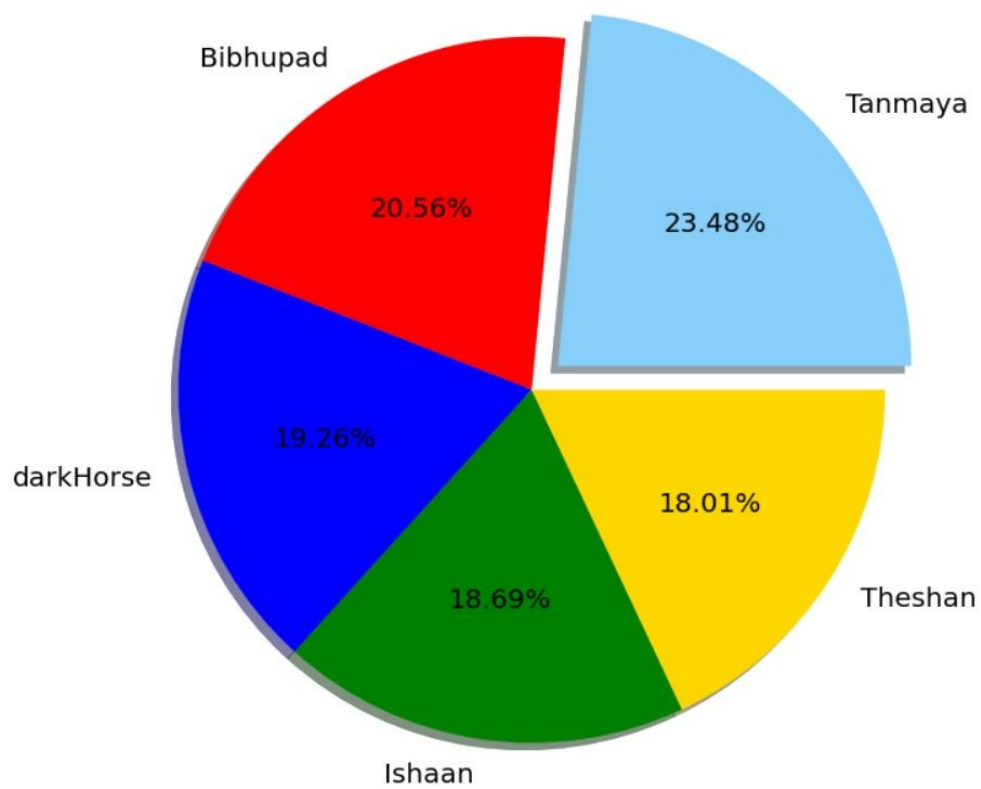
MESSAGE COUNTS



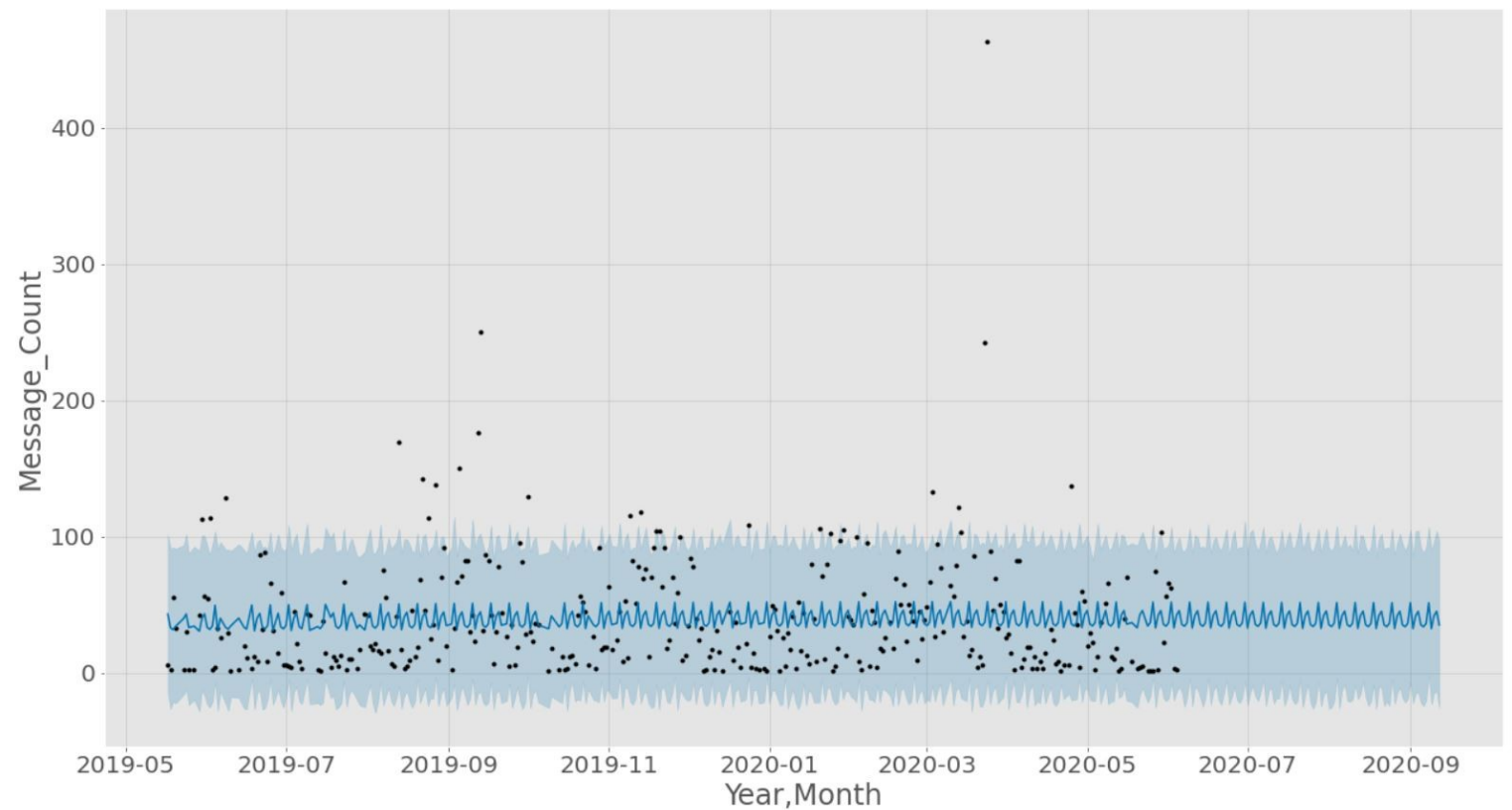
TOP 5 CONTRIBUTIONS



Top 5 Senders

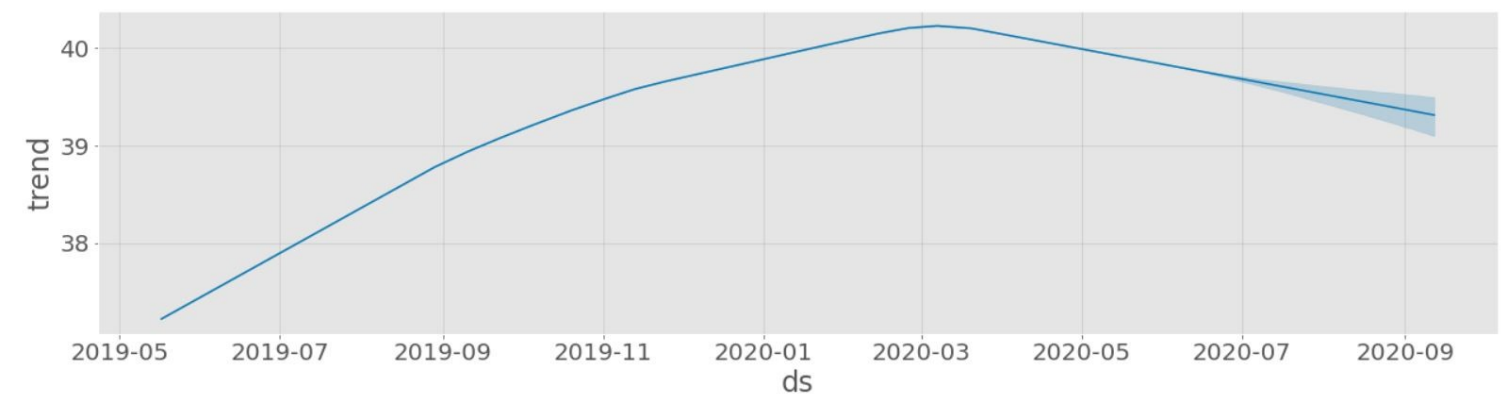


TIME-SERIES DATA PREDICTION



(Predicted for a period pf 100 days)

COMMENT: The number of messages would have followed the regular trend, had there been not a situation of Corona Virus Pandemic, disrupting regular life.

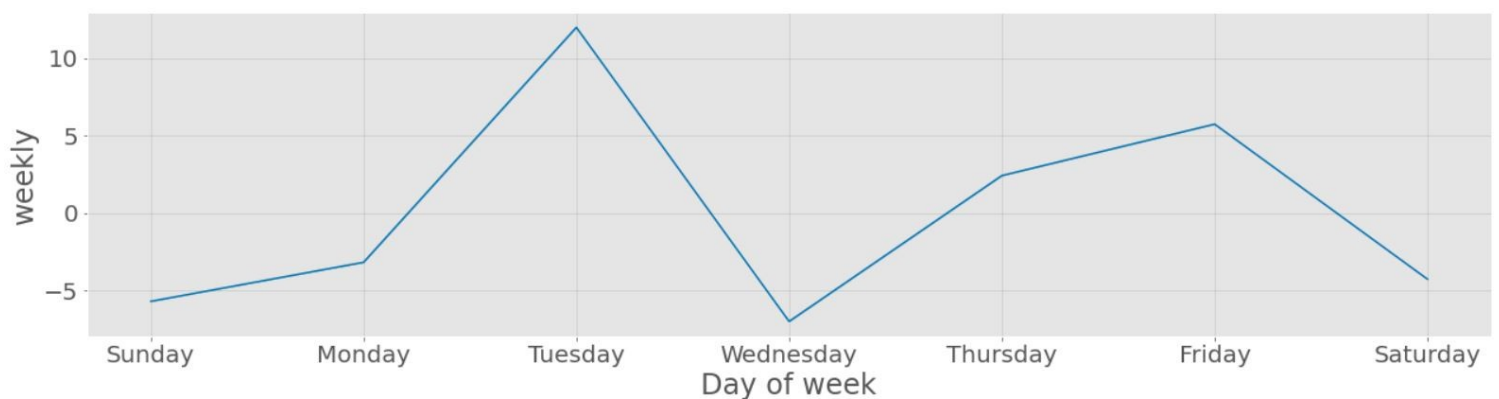


However, considering the decline of message count in the recent times, the model did predict a further decrease in it. The shaded part represents the approximation of the errors (both ways).

It is observed that there has been a constant **increase** in the message count right from the start. This maybe due to the fact that a number of messages were sent

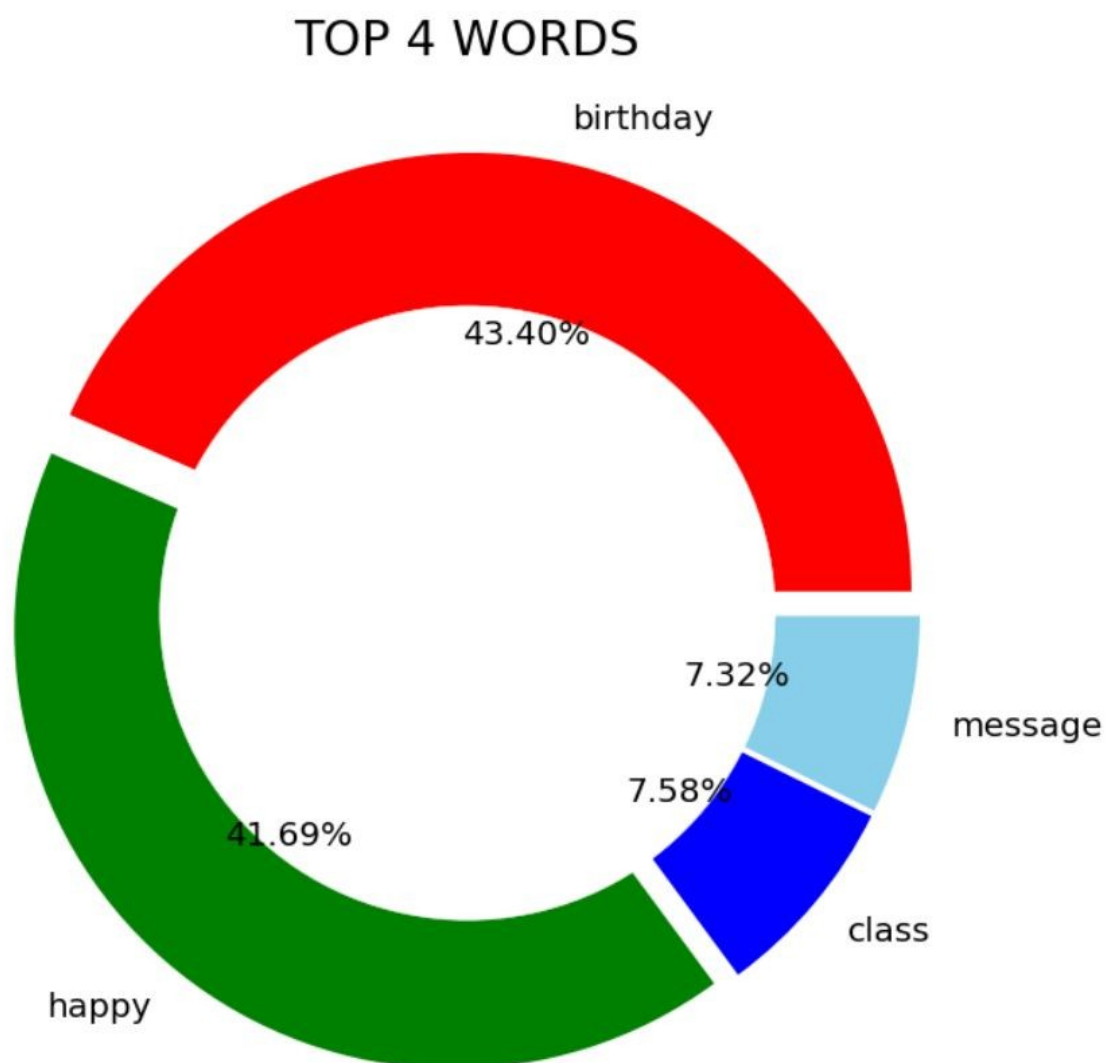
regarding internship information and also regarding syllabus, notes, papers before mid-terms and end-terms. It continued to increase till March 2020, when it took a **descent**. As the news about the Corona Virus spread, classes were called off and students were sent off. That explains the descent.

WEEKLY TRENDS



COMMENT: Usually, Tuesday showed a spike in the message counts. Perhaps, it's due to the fact that the students were supposed to submit Embedded Systems Design Lab work as well as Digital Communication Lab work on Wednesday. It might also be the case that this year most of the birthdays fell on Tuesdays. Why is this plausible? What could birthdays do? What do others do on someone's birthday? Exactly! Wish them 'Happy Birthday'. This claim could be supported by the following fact in the next page.

MOST USED TOP 4 WORDS



COMMENT: It can be seen that the words 'happy' and 'birthday' together literally constitutes more than **84% of the words used**. Hence, they have a huge impact over the word counts as well as the message counts.

