



# WhatsApp Chat Analyser

Independent Project By Debojjal Bagchi during Summer 2020

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You can also use sample data [available here](#) to upload below and view results. (You can either download [this](#) file & Upload below or can use your own file. For further insructiins see below.

[Click to view source code](#)

[Click here to give your feedback](#)

\*This analyses only last 40,000 msgs. Works Best with Individial Chats & Small Group Chats. View on Desktop for Complete Experience. Built on Python Using Pandas, Streamlit & Plotly

Send me your feedback, Ways to improve or any other suggestions at [debojjalb@gmail.com](mailto:debojjalb@gmail.com)

# Upload file to be Analysed

How to? - Open the WhatsApp Chat/Group Chat you want to analyse. Click on the 3 dots -> Export -> Without Media. Save this file in your files folder or preferably Desktop if using PC & Upload here. YOUR PHONE LANGUAGE MUST BE ENGLISH(UK) WHILE EXPORTING THE CHAT

\*NO USER DATA IS TAKEN BY ME WHATSOEVER

Choose a TXT file

WhatsApp Chat with Coronantime🤔🦠.txt

[browse files](#)

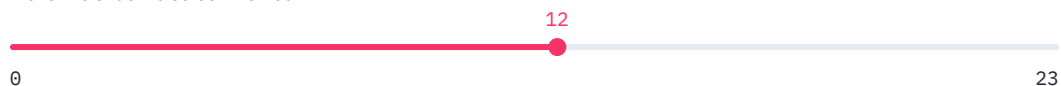
Please wait for 30s for the Chat to be Analysed Completely. Starting from now you will find lots of interactive graphs. Move the slider whenever necessary to get better Visualisations

## 1. Some Introductory Analysis

1. Total Number of Chats : 924
2. Number of Days Chatted : 8
3. Average Number of Chats per Day: 115
4. Total Number of Words : 5484
5. Total Number of Letters : 27522
6. Average Number of Words per day : 685
7. Average Number of Letters per day : 3440

## 2. Which hour had how many messages?

Move the slider to select the hour

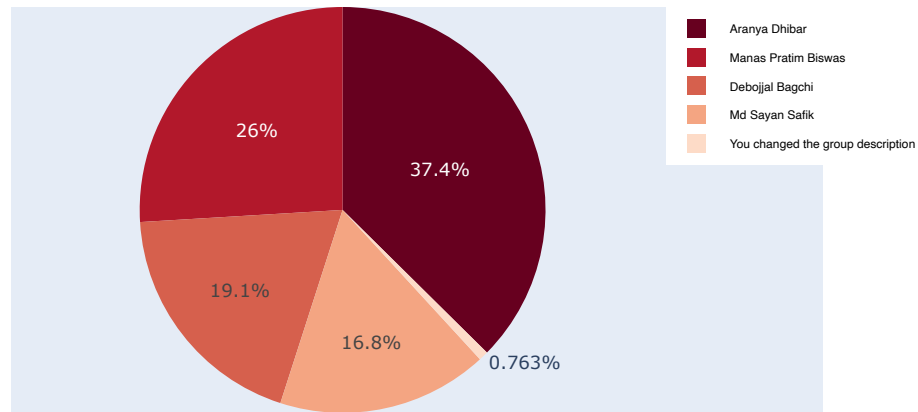


Who talks how much between 12:00 and 13:00?

Are the legends covering a part of the chart or hindering your Visualisations? Try using the Wide Mode. You will find a 'full screen' option just above the right top end of the legends if you hover your mouse pointer there. Click on that & the problem should be solved

Double Click on persons name from legends to select to compare. You can select any number of persons to compare!

## Percentage of Chat

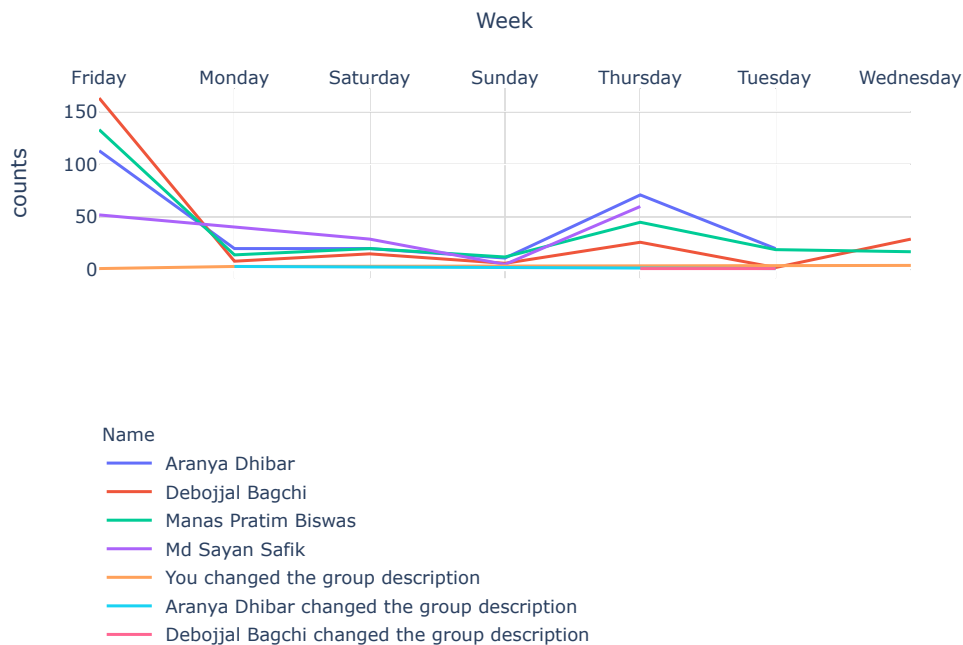


☐ Show filtered Chats for Graph 1

## 3. Chats over various days of the week - TREND

Are the legends covering a part of the chart or hindering your Visualisations? Try using the Wide Mode. You will find a 'full screen' option just above the right top end of the legends if you hover your mouse pointer there. Click on that & the problem should be solved

Double Click on persons name from legends to select to compare. You can select any number of persons to compare!



## The top Chats are wrt week:

Move the slider to select the how many top results you want



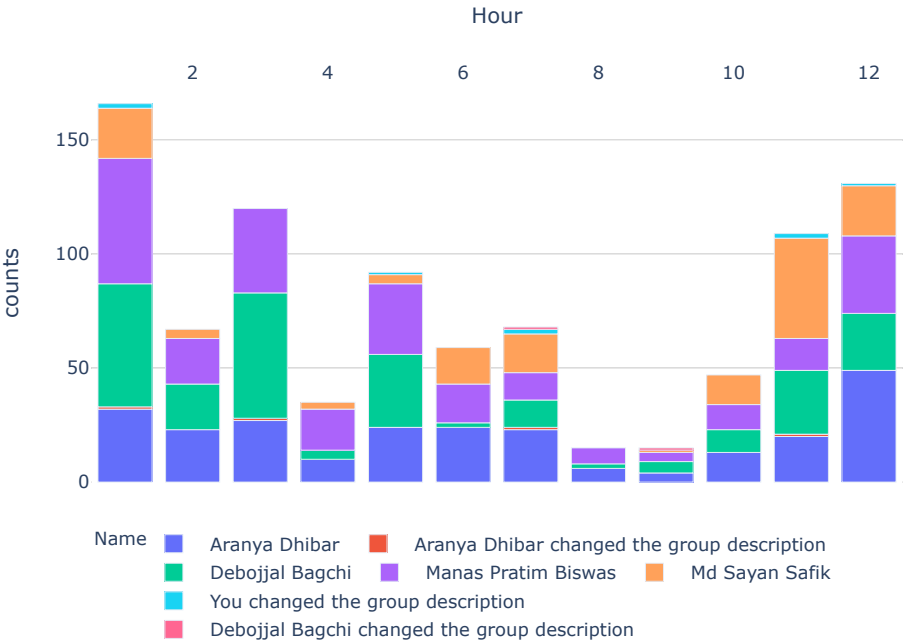
The top 5 Chats wrt day of the week are:

	Week	Name	counts
1	Friday	Debojjal Bagchi	163
2	Friday	Manas Pratim Biswas	133
0	Friday	Aranya Dhibar	113
18	Thursday	Aranya Dhibar	71
22	Thursday	Md Sayan Safik	60

## 4. Chats over various time of the day - TREND

Are the legends covering a part of the chart or hindering your Visualisations? Try using the Wide Mode. You will find a 'full screen' option just above the right top end of the legends if you hover your mouse pointer there. Click on that & the problem should be solved

Double Click on persons name from legends to select to compare. You can select any number of persons to compare!



The top Chats are wrt hours in a day are:

Move the slider to select the how many top results you want!



The top 15 Chats wrt hour of the day are:

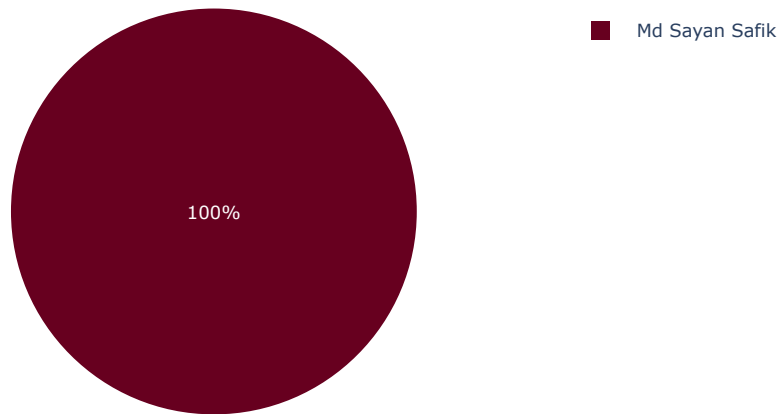
	Hour	Name	counts
52	12	Aranya Dhibar	49
50	11	Md Sayan Safik	44
13	3	Manas Pratim Biswas	37
54	12	Manas Pratim Biswas	34
19	5	Debojjal Bagchi	32
0	1	Aranya Dhibar	32
20	5	Manas Pratim Biswas	31
48	11	Debojjal Bagchi	28
10	3	Aranya Dhibar	27
53	12	Debojjal Bagchi	25
23	6	Aranva Dhibar	24

## 5. Percentage of Media Shared

Are the legends covering a part of the chart or hindering your Visualisations? Try using the Wide Mode. You will find a 'full screen' option just above the right top end of the legends if you hover your mouse pointer there. Click on that & the problem should be solved

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Percentage of Media Shared



☐ Show filtered Chats for Graph 4

## 6. Maximum Words Used in Chat

Move the slider to select the how many top results you want :)

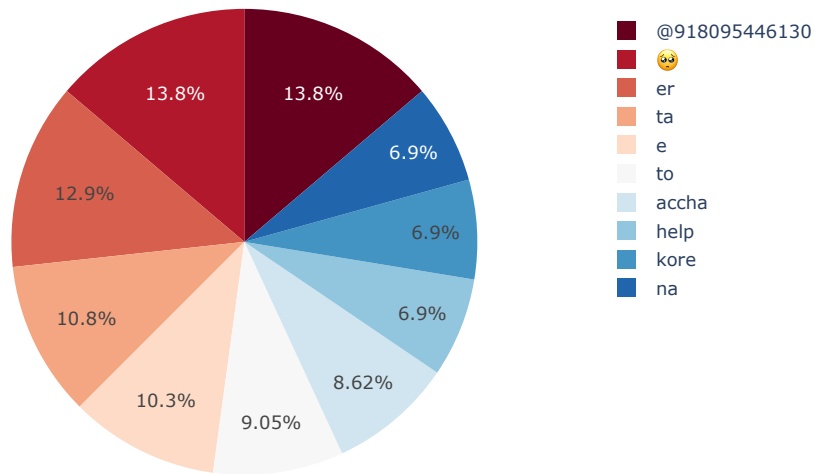


See Visualisation as

Pie Chart

Are the legends covering a part of the chart or hindering your Visualisations? Try using the Wide Mode. You will find a 'full screen' option just above the right top end of the legends if you hover your mouse pointer there. Click on that & the problem should be solved

Double Click on persons name from legends to select to compare. You can select any number of persons to compare!

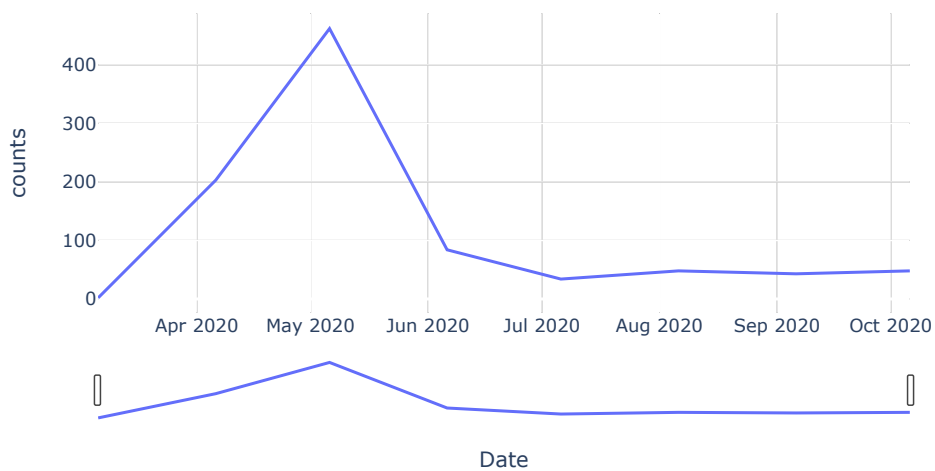


☐ Show a list of top 10 words used in chat & their frequencies & Sender's Name

## 7. Growth of Number of messages over time

Are the legends covering a part of the chart or hindering your Visualisations? Try using the Wide Mode. You will find a 'full screen' option just above the right top end of the legends if you hover yor mose pointer there. Click on that & the problem should be solved

Time Series with Rangeslider



## 8. Trend of Chat for Each Person

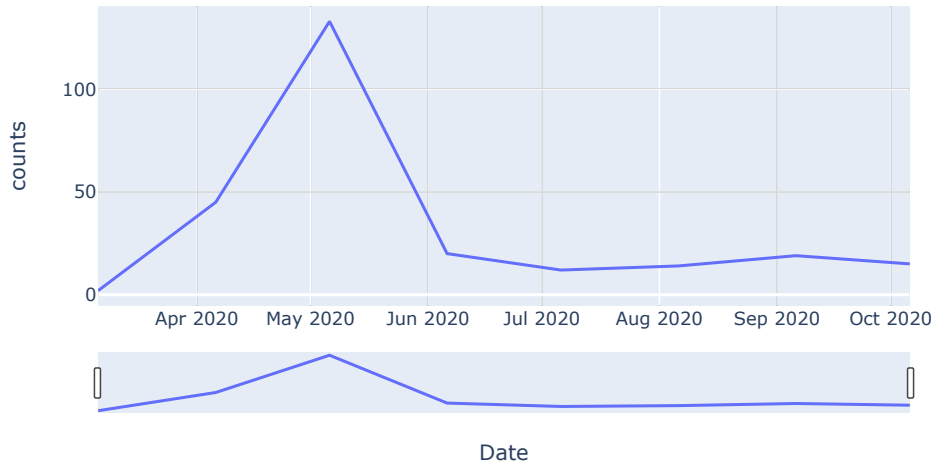
Select Person

Manas Pratim Biswas

# Trend of Chat over time for person name : Manas Pratim Biswas

Are the legends covering a part of the chart or hindering your Visualisations? Try using the Wide Mode. You will find a 'full screen' option just above the right top end of the legends if you hover yor mose pointer there. Click on that & the problem should be solved

Counts for Number of Chats



## 9. Chat Trend Predictions

Note : I am still tuning this model. Rf regressor was used. Suggest a better source code to me at [debojjalb@gmail.com](mailto:debojjalb@gmail.com) (Due Credits will be given)

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RandomForestRegressor Predictions for next 100 days



## 10. Feedback

# Plese provide your feedback

**Visit Left Side Panel for Developer Contact information**

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