1. Sentiments of people- different categories:

Gender

Age

Workers

Students-schools and colleges

Different companies- regarding the market, finance etc

Villagers vs city people

Financially strong vs poor people

1. Dashboard:

Visualizations

Dashboard chart filter

Drill downs

Time interval widgets(daily,weekly and monthly)

Dynamic text boxes/images.

Discussion forum(people’s discussion about the extension,suggestions.poll)

1. Chatbot

In Sentiment Analysis, considering that the latest tweets are not available in the datasets, a dashboard was developed with visualizations of people’s reactions to the government announcements of lockdown extension. This project aims in analyzing different sentiments of people belonging to many divisions.

The opinions of people in each domain may vary. For instance, there might be differences of opinion based on age groups and workers. Considering the downfall of their businesses, many companies where work-from-home would be impossible will have a negative impact on lockdown. Also, students of schools and colleges will face difficulties as very few might have access to online technologies, which again shows that their opinion is negative. Similarly we can also expect a positive or negative review from other groups. The dashboard can help us visualize these reviews in a clear manner. The chart filter/click-to-filter enables more interactivity. This allows dashboard users to utilize the dimensions of the dashboard’s charts and graphs as temporary filter values. A drill-down is an interactive dashboard software feature that shows you additional, more specific, and detailed information of a particular element, without overcrowding the dashboard. Time interval widgets can show us the changes in the sentiments on a daily,weekly or monthly basis. The chart zoom helps us to dig deeper into the data and gives us an overview of what happened the whole month. For monitoring daily performance,exporting reports manually or writing endless documents will take enormous time. So DynamicText boxes/images can resolve this problem. Bar charts are used to summarise data in catogories. A trend chart is used to highlight when the value is either above or below a specified target. A pie chart is used to display the percentages of people according to their sentiments respectively.

A discussion forum is created to know what the public comment on the extension of the lockdown. This can be valuable from a social analytic standpoint and provides a candid view of the topic. This can help us to know the newest sentiments of the public.

Further, the project uses an Artificial Intelligent chatbot, which is the most promising interaction between the user and the machines. In sentiment analysis, the chatbot is used to understand the emotions and state of mind of the user by analysing input texts whether its positive, negative or neutral. The technology detects emotions like anger, sadness, happiness, disgust, fear, curiosity, positivity and other range of emotions.These emotions can influence decision making.