Week-4 Reporting

Date: 22/08/2022

Task Name: Task-4-Data-Visualization+6-Dashboard-Building

Task Leader: Priyank and Sudhakar

Task Weekly Meeting Time: Thursday 19th May 7:00 PM IST

Task Objective: Maintaining the [Command Center Sheet](https://docs.google.com/spreadsheets/d/1ckaCHgnhwCGwK5BxQUuuSvJboLzvid03yiMHvfQ_jsQ/edit#gid=0) and Designing, Researching Visualizations, and Building [Dashboard](https://public.tableau.com/app/profile/sudhakar.reddy7432/viz/HealthBot/Health?publish=yes) using Tableau and [pushing it to Github](https://github.com/OmdenaAI/hyderabad-india-chapter-patients-chatbot/tree/main/src/tasks/task-4-data-visualizations).

Completed Tasks:

* Completion of the [Dashboard Health Conditions Design](https://public.tableau.com/app/profile/sudhakar.reddy7432/viz/HealthBot/Health?publish=yes) for Showcasing data and explaining the user group1(namely the patients and family members of the patients)
* Completion of the [Dashboard Tweets design](https://public.tableau.com/app/profile/sudhakar.reddy7432/viz/HealthBot/Health?publish=yes) layout based on the [cleaned-tweets.csv](https://docs.google.com/spreadsheets/d/1k0088yH6UAqDJRt6ekDqrmqd_7Dfg8J5jyqFpvtelGU/edit?usp=sharing): It is based on the count of the most common words that are relevant and are highlighted as the cloud and also the count of the tweets on the basis of [with\_class\_cleaned\_tweets](https://docs.google.com/spreadsheets/d/1T-tXy_zCjUCpE_ucNVWiLzpVf9laefC25XXzxtUcoUI/edit?usp=sharing)  are shown which is based on the current data provided by the Task3 team.
* Identified Solutions with the help of team members to Questions raised in the last weekly meeting as deliverables.

InProgress: (Week-4):

* Continue to improve and brainstorm better visualizations with different layouts in the Tweets dashboard2 according to the more data provided by other teams and work towards completing the work.
* More Brainstorming sessions are to be held to find better ways to represent various features in the dataset and brainstorm ideas to make the dashboard more interactive.
* Polishing the work (i.e. color schemes, format, filters, etc) is needed.

Future Scope:

* Implementing Age based filters using actions that will change dynamically according to the filter selected in Tableau instead of the current hardcoding of all the columns bounded to age being showcased at the same. However, this requires time as it will require implementing actions in tableau and we need to code certain features to show up and specific features to hide at the time of selection.
* Implementing and adding the sentiment analysis data once available and performing the building of the dashboard in the neutral, positive, and negative sentiment analysis of tweets of patients depending upon the various features of tweets
* Creating Dashboard and working towards better targeting Management and business people