Weekly Project Meeting Minutes

*The main purpose of the document is to capture all the work that has been done by the group over the course of one week and **not** to write down what was discussed in a single meeting. You should be meeting and/or working throughout the week.*

Date of meeting(s): **24/06/2022**

Group Number: **04**

Group members present (Name, ID):
- Priyanka Ghetiya - 0779258
- Digvijaysinh Madansinh Desai - 0776134
- Parth Bhupendrabhai Sheth – 0781634
- Ravinder Singh - 0782184

Specific Activities completed this week:
- List brief description of activities carried out **by group member**
- **Priyanka Ghetiya:-** When I initially read the intake form that our company sent in weeks 5 and 6, I saw that there was a lot of PII(Personally identifiable information) that wasn't actually helpful for our study. Additionally, I looked at how to automatically convert word text data into an excel sheet or table format by using ML. Then, we attempted to gather data from that intake form, but we were unable to obtain enough information for analysis. After that, I created a google form that is like our intake form. It includes some general information on the patient's mental health as well as some open-ended questions so we can collect more text data for analysis. I tried to make an appointment with our college's mental health department with Parth to have our mental health survey form reviewed, but we were unsuccessful.

- **Parth Sheth:-** In the past two weeks, I've learned a few methods for figuring out mental health intervention strategies based on the symptoms individuals experience when they first see mental health professionals. I tried to get in touch with the St. Clair College mental health department with Priyanka, but I was unable to see any of them since they were not available. Even the University of Windsor turned us down for assistance, citing the fact that we are not enrolled there full-time. Also found out the open-ended questions for the Intake Form which we have designed for the data collection purpose.

- **Digvijaysinh Madansinh Desai:-** I have done some readings which was helpful for our project and tried to find some external dataset as our backup plan.

- **Ravinder Singh:-** I helped to Parth for making a google form and I am planning to help in collecting data by supplying intake form to my friends and contacts and also I am making PPT for the final presentation.

Specific Output obtained this week:
- Include brief summary of any written work or any code developed
    - In this week, we all were doing the different works which was given by you. Priyanka was working on google form and done some analysis on dataset which is from a 2014 survey that measures attitudes towards mental health and frequency of mental health disorders in the tech workplace. Digvijaysinh and Ravindar were done with some readings and helped to parth for google form. Parth was done with some of the readings of the research papers and articles which were helpful for our project and created mental health survey form. Parth and Priyanka visited mental health center of our college and tried to get reviewed of survey form.

- Attach actual output from code. Attach any external, relevant files
  - Analysis on analysis on dataset which is from a 2014 survey that measures attitudes towards mental health and frequency of mental health disorders in the tech workplace:

```r
head(survey)
```

A tibble: 6 × 27

Timestamp	Age	Gender	Country	state	self_employed	family_history	treatment	work_interfere	no_employees
2014-08-27 11:29:31	37	Female	United States	IL	NA	No	Yes	Often	6-25
2014-08-27 11:29:37	44	M	United States	IN	NA	No	No	Rarely	More than 1000
2014-08-27 11:29:44	32	Male	Canada	NA	NA	No	No	Rarely	6-25
2014-08-27 11:29:46	31	Male	United Kingdom	NA	NA	Yes	Yes	Often	26-100
2014-08-27 11:30:22	31	Male	United States	TX	NA	No	No	Never	100-500
2014-08-27 11:31:22	33	Male	United States	TN	NA	Yes	No	Sometimes	6-25

6 rows | 1-10 of 27 columns

```r
#what are the most common words used in comments column?

library(tidytext)

tidy_survey <-
  survey %>%
  unnest_tokens(word, comments)

tidy_survey %>%
  count(word, sort = TRUE)
```

A tibble: 1,527 × 2

word	n
NA	1096
i	249
to	197
the	189
a	179
and	155
of	152
my	144
health	114
for	108

1-10 of 1,527 rows

- Mental Health Survey Google Form: Here, link of the form
  https://forms.gle/C3eaVanLpnWAchey9

Section 1 of 2

Mental Health Survey

From St. Clair College in Windsor, we are undertaking research on data analytics for business. For individuals who are afflicted with any type of mental health disorder, we are now working on a project to develop mental health intervention solutions. Therefore, as a component of data gathering, we rely on your cooperation by filling out this form. This survey data will only be used for project purposes. To give us a better understanding of your overall mental health, please take a few minutes to complete this survey. We will keep your survey results private. The data will be deleted on the 12th August 2022. You give us permission to use your data for analysis purposes by submitting this form.
In case of data deletion and retrieval reach out to us on pg48@myscc.ca or ps289@myscc.ca
Thank you.

Choose one from below: *

On Target:
- Indicate the current status of your project
  - _____ green: everything on track for completion by due date
  - _____ yellow: a small number of tasks are off track and completion by due date is at risk
  - _____ red: many tasks are off track and project will not be completed by due date
    - ➢ **The current status of our project is Green.**

Challenges/Disagreements:
- List any particular challenges identified/discussed and possible solutions

  1. We were facing difficulties in getting the enough data on which we can start to do some analysis.
  2. The key problem is to quickly get enough data from the google form we have generated.

Planned Activities for coming week:
- List brief description of activities **by group member**

  1. Priyanka Ghetiya: I'm going to look for an external dataset the next week, perform some analysis, and try to collect data from the google form as soon as possible. Additionally, I'll be attempting to learn new text mining and NLP methods including stemming, tokenization, text classification, keyword extraction, and more.

  2. Parth Sheth: Planned Activities: I want to gather information from the intake form we are providing to the individuals in the following weeks and will also be working on the report writing. I'll be assisting Ravinder with the presentation at the end.

  3. Digvijaysinh Desai: I am helping with Parth making google form and next two week I work on collect the data and work with NLP. so me and Priyanka both are working on coding part.

  4. Ravinder Singh: I will help to Parth for gathering the data by supplying intake form to my friends and contacts and also I am making PPT for the final presentation.