1. **Project Title**: The “EriTufJohMik’ Project re Mental Health Trends in Technology
2. **Team Members**: Erica Hoshino

Tuflika Putri

John Nasiakos

Mike Murphy

1. **Project Description**:

The project uses the Kaggle Survey on Mental Health findings as a base for mental health trends in technology and tries to project emerging trends.

It also uses John Hopkins University Covid-19 datasets for emerging trends in the spread of Covid-19 and its consequent impact on mental health which has been widely reported. [\*insert references here\*]

The project tries to answer the following questions.

1. **Research Questions**:
2. What is the relationship between “unvaccinated” Covid patients versus “vaccinated” Covid patients for the following categories in selected countries? Pie chart vaccinated vs unvaccinated Erika
   1. Vaccination rates per country Bar chart? Erika
   2. Total Covid cases Bar chart? Erika
   3. Total Covid hospitalisations Bar chart? John
   4. Total covid cases recovered Bar chart? John
   5. Total Covid deaths Bar chart with 3-bars John
   6. Mortality rates per 100,000 population Bar chart Mike
   7. Mortality rates – case / fatality ratio Bar chart Mike
3. Regression analysis goes here after charting Mike
4. What countries / areas will be most impacted
5. What countries / areas will be least impacted?
6. Optional - What will be the impact of the spread of Covid-19 for mental health trends?

Source datasets from ABS. Oz Health

1. Optional – Adverse reactions to vaccinations
2. **Project Datasets**:

The datasets for the project can be found at the following links.

“Survey on Mental Health in the Tech Workplace inn 2014”

[**https://www.kaggle.com/osmi/mental-health-in-tech-survey**](https://www.kaggle.com/osmi/mental-health-in-tech-survey)

“JHU – Time Series Daily Reports”

<https://raw.githubusercontent.com/CSSEGISandData/COVID-19/master/csse_covid_19_data/csse_covid_19_time_series/time_series_covid19_confirmed_global.csv>

“JHU – Daily Reports”

[**https://github.com/CSSEGISandData/COVID-19/tree/master/csse\_covid\_19\_data/csse\_covid\_19\_daily\_reports**](https://github.com/CSSEGISandData/COVID-19/tree/master/csse_covid_19_data/csse_covid_19_daily_reports)

JHU link on how to use their data – accesses cases, vaccinations and testing data

[**https://coronavirus.jhu.edu/about/how-to-use-our-data**](https://coronavirus.jhu.edu/about/how-to-use-our-data)

1. **Project Tasks:**

Refer attached work schedule.

1. **Google Docs Link:**

<https://docs.google.com/document/d/1tC0OtRsRGQUy0AhaMtuViVm6LKWjVgCT8R2ZFsUumcI/edit?usp=sharing>

1. **JHU Datasets:**
2. **References / Sources**

<https://www.worldometers.info/world-population/population-by-country/>

<https://ourworldindata.org/covid-vaccinations?country=AUS>