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

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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:**

**8.1 Daily Cases:**

This folder contains daily case reports. All timestamps are in UTC (GMT+0).

### File naming convention

MM-DD-YYYY.csv in UTC.

### Field description

**FIPS**: US only. Federal Information Processing Standards code that uniquely identifies counties within the USA.

**Admin2**: County name. US only.

**Province\_State**: Province, state or dependency name.

**Country\_Region**: Country, region or sovereignty name. The names of locations included on the Website correspond with the official designations used by the U.S. Department of State.

**Last Update**: MM/DD/YYYY HH:mm:ss (24 hour format, in UTC).

**Lat** and **Long\_**: Dot locations on the dashboard. All points (except for Australia) shown on the map are based on geographic centroids, and are not representative of a specific address, building or any location at a spatial scale finer than a province/state. Australian dots are located at the centroid of the largest city in each state.

**Confirmed**: Counts include confirmed and probable (where reported).

**Deaths**: Counts include confirmed and probable (where reported).

**Recovered**: Recovered cases are estimates based on local media reports, and state and local reporting when available, and therefore may be substantially lower than the true number. US state-level recovered cases are from [COVID Tracking Project](https://covidtracking.com/). We stopped to maintain the recovered cases (see [Issue #3464](https://github.com/CSSEGISandData/COVID-19/issues/3464) and [Issue #4465](https://github.com/CSSEGISandData/COVID-19/issues/4465)).

**Active:** Active cases = total cases - total recovered - total deaths. This value is for reference only after we stopped to report the recovered cases (see [Issue #4465](https://github.com/CSSEGISandData/COVID-19/issues/4465))

**Incident\_Rate**: Incidence Rate = cases per 100,000 persons.

**Case\_Fatality\_Ratio (%)**: Case-Fatality Ratio (%) = Number recorded deaths / Number cases.

All cases, deaths, and recoveries reported are based on the date of initial report. Exceptions to this are noted in the "Data Modification" and "Retrospective reporting of (probable) cases and deaths" subsections below.

### Update frequency

Since June 15, We are moving the update time forward to occur between 04:45 and 05:15 GMT to accommodate daily updates from India's Ministry of Health and Family Welfare.

Files on and after April 23, once per day between 03:30 and 04:00 UTC.

Files from February 2 to April 22: once per day around 23:59 UTC.

Files on and before February 1: the last updated files before 23:59 UTC. Sources: [archived\_data](https://github.com/CSSEGISandData/COVID-19/tree/master/archived_data) and dashboard.