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

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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 will be the impact of the spread of Covid-19 for mental health trends in technology?
3. What countries / areas will be most impacted?
4. What countries / areas will be least impacted?
5. What is the relationship between “unvaccinated” Covid patients versus “total” Covid patients?
6. Can we extrapolate the impact of Covid-19 for the total population to the technology sector?
7. **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 - [COVID-19](https://github.com/CSSEGISandData/COVID-19)/[csse\_covid\_19\_data](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**](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:**

To be allocated at Thursdays project workshop.

Basic tasks are: -

* Establish base starting point from Mental Health Survey
* Process / combine JHU data sets
* Check datasets for anomalies / inconsistencies
* Prepare datasets for visualisation
* Look for trends using regression analysis
* Try and use JHU APIs along the way (optional)
* Prepare presentation materials
* Walk through presentation to confirm its format / content

1. **Google Docs Link:**

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

Basic tasks are: -

* Establish base starting point from Mental Health Survey
* Focus on US, UK, Israel, Italy, OZ, NZ,
* Focus Omicron first
* Process / combine JHU Omicron data set
* Try and use JHU APIs along the way (optional)
* Share / walkthru the extraction with team
* Check datasets for anomalies / inconsistencies and to ensure that we understand it
* Look for trends using statistical analysis
* Prepare datasets for visualisation
* Prepare presentation materials
* Walk through presentation to confirm its format / content