**Project Proposal**

**Iman Malih, Murtatha Alwan, John Olton, Damla Duman**

**Story-Telling-Question:** How effective was COVID-19 against demographics and countries?

1. **Data Type:** Healthcare – Covid-19

**Questions/Thoughts:** Who was most susceptible? Underlying conditions? Country, Weight, Age, Gender, Vaccine, Lockdown, Comorbidity, Mortality Rate Pre/Post-Vaccination, Hospitalization

**You are a scientist tasked to retrospectively prevent COVID-19 exposure and fatality. To do so you must answer the following questions:**

* How effective was the vaccination?
* Did booster shots have any effect on exposure rates?
* How many deaths and positive tests are there in each country per population?
* Which continents/countries had the lowest fatalities?
* What is the mean and median age for those who tested positive?
* Is the GDP correlated with positive tests?
* How many people were tested positive for COVID-19 and hospitalized per country?
* Is there a direct correlation between cardiovascular and COVID-19 deaths?
* Is there a direct correlation between diabetes and COVID-19 deaths?

**Sources:** <https://www.kaggle.com/datasets/sandhyakrishnan02/latest-covid-19-dataset-worldwide>

1. A dashboard page with multiple charts that update from the same data
2. Your project should include at least one JS library that we did not cover.
3. Your project must be powered by a dataset with at least 100 records.
4. Your project must include some level of user-driven interaction (e.g., menus, dropdowns, textboxes).
5. Your final visualization should ideally include at least three views (AKA three tabs)

* SQL Database - ERD
* Jupyter Notebook/Python - To Clean Data
* HTML/CSS/JavaScript – Visualization/Dashboards/API
* PowerPoint – Presentation