**COVID-19 Vaccination Effectiveness**

**Team Members**

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**Project Description**

In this project, we will look at how effective the COVID-19 vaccinations were on factors such as hospitalisations, confirmed cases and mortality rates.

**Research Questions to Answer**

1. How have COVID-19 vaccines affected? (world comparison)
   1. ICU patient admissions,
   2. confirmed cases and
   3. mortality rates?
2. Does a difference in healthcare expenditure affect COVID-19 cases (using WorldBank API)
   1. first world
   2. second world
   3. third world
3. Was lockdown effective?
   1. Death rates in 2020 compared to 2023.
   2. Countries that had a lockdown vs. those that did not.
4. Do certain conditions contribute to higher cases/death rates? Numbers vs. proportion?
   1. Age
   2. Smoking
   3. Gender
5. Does being vaccinated lessen your chances of catching covid?
   1. Fully vaccinated people vs. people who also had a booster.

**Dataset To Be Used.**

https://github.com/owid/covid-19-data/blob/master/public/data/owid-covid-codebook.csv

https://datahelpdesk.worldbank.org/knowledgebase/topics/125589-developer-information

**Rough Breakdown of Tasks**

* Collect data
* Cleaning data
* Graphing data
* Merging
* Summarisation
* PowerPoint
* Submitting documentation

**Allocation Of Questions**

Geoffrey – 4 & 5

John – 1 & 3

Cayley – 2