**Project Proposal**

Group members: Parvez, Alistair, Kaushal and Zitarashe.

Project Description/Outline:

The relationship between carbon emission and GDP.

GDP is the monetary value of all finished goods and services made within a country during a specific period.

Carbon emission are emissions stemming from the burning of fossil fuels and the manufacture of cement.

Research question:

Is carbon emission influenced by GDP world- wide from 1990-2022?

Research findings:

Fields of interest:

Country

GDP

Year

Carbon emission

Dataset source:

<https://data.worldbank.org/indicator/EN.ATM.CO2E.PC?end=1990&start=1990&view=bar>

<https://data.worldbank.org/indicator/NY.GDP.PCAP.KD?end=1990&start=1990&view=bar>

Breakdown of tasks:

Extract:

-Reading the data from different sources.

-Data processing

-Loading the csv files into a Pandas data frame in Jupyter Notebook

Transform:.

-Cleaning the data.

-Checking for duplicates/ null values.

-Renaming columns.

Load:

-Connect to the local database.

-Check the tables created earlier.

-Append data frames to tables.

- Join the two tables.

Summary:

-Saved the data in an sql database.