Module 5: Homework 1, Assignment: Joining Data from Two Different Publicly Available Datasets

* Steps you took to create the two tables in the directions.
  + Go to Marketplace.  
    A screenshot of a computer

    Description automatically generated
    - Type in the names of the two public datasets:
      * Sustainable Development Goals (UN\_SDG)> click Dataset

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* + - * Indicators and World Development Indicators (one at a time).(WDI) > click Dataset

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* + Open a new Query window
    - Write sql code to store the subset of the two datasets
    - For UN\_SDG:

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SELECT geoareaname, timeperiod, value

FROM bigquery-public-data.un\_sdg.indicators as UN\_SDG

WHERE seriesdescription ='Annual growth rate of real GDP per capita (%)'

AND timeperiod = '2016'

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* + - For WDI:

SELECT country\_name, year, value

FROM bigquery-public-data.world\_bank\_wdi.indicators\_data as WB\_WDI

WHERE indicator\_name = 'Population, total' AND year = 2016;

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* + - Steps you took to join the two tables together.
      * Open a new window, and I have used the geoareaname and Country\_name
* Join the two Datasets   
  SELECT

  UN\_SDG.geoareaname

, UN\_SDG.timeperiod

, UN\_SDG.value as GDP\_per\_Capita\_growth

, WB\_WDI.country\_name

, WB\_WDI.year

, WB\_WDI.value as WB\_Population

FROM bigquery-public-data.un\_sdg.indicators as UN\_SDG

JOIN bigquery-public-data.world\_bank\_wdi.indicators\_data as WB\_WDI

  on WB\_WDI.country\_name = UN\_SDG.geoareaname

WHERE UN\_SDG.seriesdescription = 'Annual growth rate of real GDP per capita (%)'

AND UN\_SDG.timeperiod = '2016'

AND WB\_WDI.indicator\_name = 'Population, total'

AND WB\_WDI.year = 2016

* Save Result to file

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* Steps you took to visualize the data using Google Data Studio.
  + Go to <https://lookerstudio.google.com/u/0/navigation/reporting>
  + Clink Blank Report
    - Connect to Data source using File Upload

Created two charts. Using Looker studio

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A screenshot of a computer

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A graph of growth and population

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Created two charts using Tableau

A screenshot of a graph

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