

CIS 9440 - Homework #2

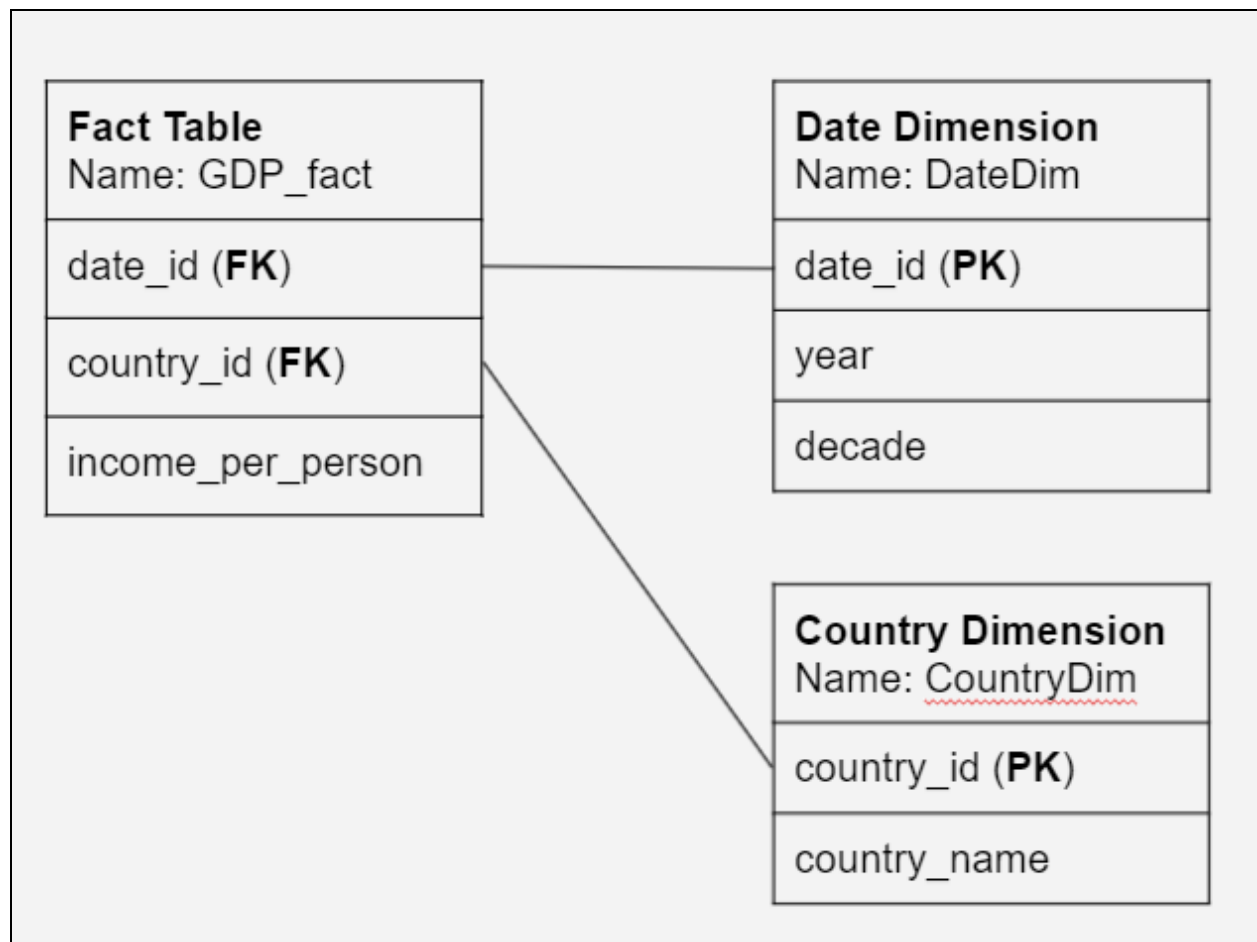
In this assignment, you will practice **Extract, Transform, Load (ETL)**:

To begin this assignment

- Download the following CSV to your computer:
https://drive.google.com/file/d/1adkkH5xIRLj_y78KdITb1sRVuKbsZJc9/view?usp=sharing
 - o This dataset was downloaded from gapminder.org

Homework Steps

For this assignment, you will Extract, Transform, and Load (ETL) the data in the [link](#) above **into the following Dimensional Model**:



More specifically, complete this Homework by completing the following steps:

1. Download the dataset as a CSV

2. Using any tools or programming language (Excel, python, SQL, Google Sheets, R, DBT, etc), transform the data from the CSV you downloaded into the Fact Table and Dimensions outlined in the image above. The Fact Table and Dimensions must be **saved as 3 separate CSV files**:
 - a. CSV 1: GDP_fact
 - b. CSV 2: DateDim
 - c. CSV 3: CountryDim
3. Load the 3 Transformed CSV's into Google BigQuery (into any project and dataset, it does not have to be an empty dataset)

To Submit this Homework

To submit this homework, you will submit 4 separate files:

1. CSV 1: GDP_fact
2. CSV 2: DateDim
3. CSV 3: CountryDim
4. A PDF that describes your ETL process with pictures and shows a screenshot of each of your Fact and Dimensions loaded into Google BigQuery