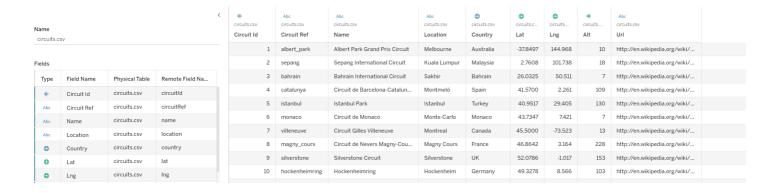
Assignment 2 Data Visualization

Please ensure that the final submission adheres to the following guidelines:

- 1. **File Format**: The submission should be in the form of a Tableau Workbook (twb not twbx, one can save the workbook as a twb file by selecting 'File' -> 'Export As' -> 'Tableau Workbook').
- 2. File Name: The file should be named as Assignment2_Student_ID_Name.twb.
- 3. **Content**: The workbook should contain the following sections:
 - Sheet 1: Number of Circuits in Each Country
 - Sheet 2: Detailed Information of Circuits
 - Sheet 3: Average Circuit Altitude
 - Dashboard: The workbook should contain a dashboard that combines the three sheets.

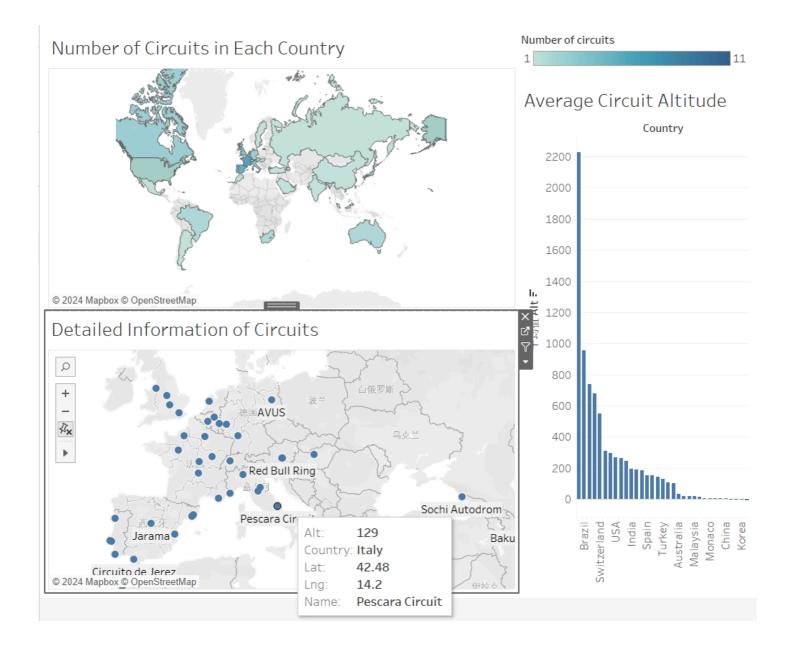
Dataset:

In the Week 6 folder on Canvas, you will find a dataset titled 'circuits.csv'. This file comprises detailed information about the circuits used in the Formula 1 racing series. The dataset contains the following columns:



Task and Expected Output:

The task is to visualize the data in the dataset. Using the tableau and the skills learned in the class, one should create a dashboard as follows:



Hints:

- 1. Sheet 1: Number of Circuits in Each Country
 - Use the Country field to create a geographical map.
 - Use the Circuit ID field to count the number of circuits in each country.
 - Use the Circuit ID field to color the map based on the number of circuits in each country.
- 2. Sheet 2: Detailed Information of Circuits
 - Change the data type of latitude and longitude to geographical role.
 - Use latitude and longitude to create a map by placing them on the rows and columns shelves, and right clicking on the latitude and longitude fields to change their aggregation to dimension.
 - Use the name field to display the name of the circuit.
 - Add the country field to the Detail shelf to display the country name.
 - Add the alt field to the Detail shelf to display the altitude of the circuit.
- 3. Sheet 3: Average Circuit Altitude
 - Drag the country field to the columns shelf.

- Drag the alt field to the rows shelf and change the aggregation to average.
- Descending/asceding sort the average altitude of the circuits in each country.
- 4. **Dashboard**: The workbook should contain a dashboard that combines the three sheets.
- 5. **Save the workbook**: Save the workbook as a twb file by selecting 'File' -> 'Export As' -> 'Tableau Workbook'.

Note: you should deal with the missing values in the dataset during creating the visualization.