

Let me tell you a 2 FREE SQL projects you must have in your portfolio to succeed in your data journey.....

### **Analyzing Road Safety in the UK**

#### **Business problem:**

The UK Department of Transport provides open datasets on road safety and casualties, and one can use these datasets to analyze how safe the roads in the UK are. This project will help you answer a few questions using their 2015 dataset.

The dataset has 3 tables i.e Accident, vehicle, Vehicle\_type

#### **Approach/Project Idea**

Use aggregate functions in SQL and Python to answer the following sample questions:

1. Evaluate the median severity value of accidents caused by various Motorcycles.
2. Evaluate Accident Severity and Total Accidents per Vehicle Type
3. Calculate the Average Severity by vehicle type.
4. Calculate the Average Severity and Total Accidents by Motorcycle.

Github source code link:

<https://lnkd.in/dbEAKY2G>

### **Analyzing the World Population**

In this project, you will use the dataset by CIA World Factbook and explore how the world population spreads across different countries.

The data has information from only 261 different countries.

Dataset contains 11 rows and 262 columns like id, code, area, population, birth\_rate, death\_rate, migration\_rate, population\_growth.

#### **Approach/Project Idea**

You will learn how to use SQL to answer the following analytical questions:

1. Which country has the highest population?
2. Which country has the least number of people?
3. Which country is witnessing the highest population growth?
4. Which country has an extraordinary number for the population?
5. Which is the most densely populated country in the world?

#### **Master SQL Project :**

<https://github.com/ptyadana/SQL-Data-Analysis-and-Visualization-Projects>