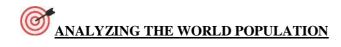
### ASSIGNMENT – SQL



**Problem:** In this project, you will use the dataset by CIA World Fact book and explore how the world population spreads across different countries. The data has information from only 261 different countries.

We are using SQL to solve these problems.				
	P1: Which Country has the highest population?			
SELECT COUNT				
Output	COUNTRY MAX(POPULATION)  China 1355692576  P2: Which Country has the least population?			
	TRY,MAX(POPULATION) FROM WORLD_POPULATION  ATION = (SELECT MIN(NULLIF(POPULATION,0)) FROM WORLD_POPULATION)			

Output:

	COUNTRY	MAX(POPULATION)
•	Pitcairn Islands	48

#### P3: Which Country has the highest growth rate?

SELECT COUNTRY, MAX(POPULATION\_GROWTH\_RATE) AS MAX\_GROWTH\_RATE FROM WORLD\_POPULATION

WHERE POPULATION\_GROWTH\_RATE = (SELECT\_MAX(POPULATION\_GROWTH\_RATE) FROM WORLD\_POPULATION)

Output:

COUNTRY MAX\_GROWTH\_RATE
Lebanon 9

P4: Which is the most densely populated country?.

-----MOST DENSELY POPULATED COUNTRY ------

SELECT COUNTRY, MAX(POPULATION/AREA) AS MAX\_POPULATION\_DENSITY FROM
WORLD\_POPULATION
WHERE (POPULATION/AREA) = (SELECT MAX(POPULATION/AREA) FROM WORLD\_POPULATION)

Output:

COUNTRY MAX\_POPULATION\_DENSITY

Macau 20996.9286

# Output:

LABEL	AVERAGE_SEVERITY	
Van / Goods 3.5 tonnes mgw or under	2,8508	
Car	2.8665	
Pedal cycle	2.8108	
Motorcycle 125cc and under	2.7807	
Motorcycle over 500cc	2,5849	
Taxi/Private hire car	2.8814	
Motorcycle over 125cc and up to 500cc	2.6904	
Bus or coach (17 or more pass seats)	2.8576	
Goods over 3.5t. and under 7.5t	2,8109	
Goods 7.5 tonnes mgw and over	2.7341	
Motorcycle 50cc and under	2.8266	
Other vehide	2.7784	
Agricultural vehide	2,6786	
Minibus (8 - 16 passenger seats)	2.8173	
Tram	2.8889	
Mobility scooter	2.7162	
Goods vehide - unknown weight	2,8390	
Electric motorcyde	2.4444	
Motorcycle - unknown cc	2.6945	
Ridden horse	2.8318	
Data missing or out of range	2.8103	

#### P4: Calculate the Average Severity and Total Accidents by Motorcycle

SELECT M.LABEL, A.ACCIDENT\_SEVERITY AS SEVERITY , AVG(ACCIDENT\_SEVERITY) AS AVERAGE\_SEVERITY FROM ACCIDENTS A

INNER JOIN VEHICLES V

ON A.Accident\_Index = V.Accident\_Index

INNER JOIN (SELECT \* FROM VEHICLE\_TYPES WHERE LABEL LIKE '\*MOTORCYCLE\*') M

ON V.VEHICLE\_TYPE = M.CODE

GROUP BY LABEL

# **Output**:

ıt:	LABEL	SEVERITY	AVERAGE_SEVERITY
	Motorcycle 125cc and under	3	2.7807
	Motorcycle over 500cc	3	2.5849
	Motorcycle over 125cc and up to 500cc	3	2.6904
	Motorcycle 50cc and under	3	2.8266
	Motorcycle - unknown cc	3	2.6945
	Electric motorcycle	3	2.4444