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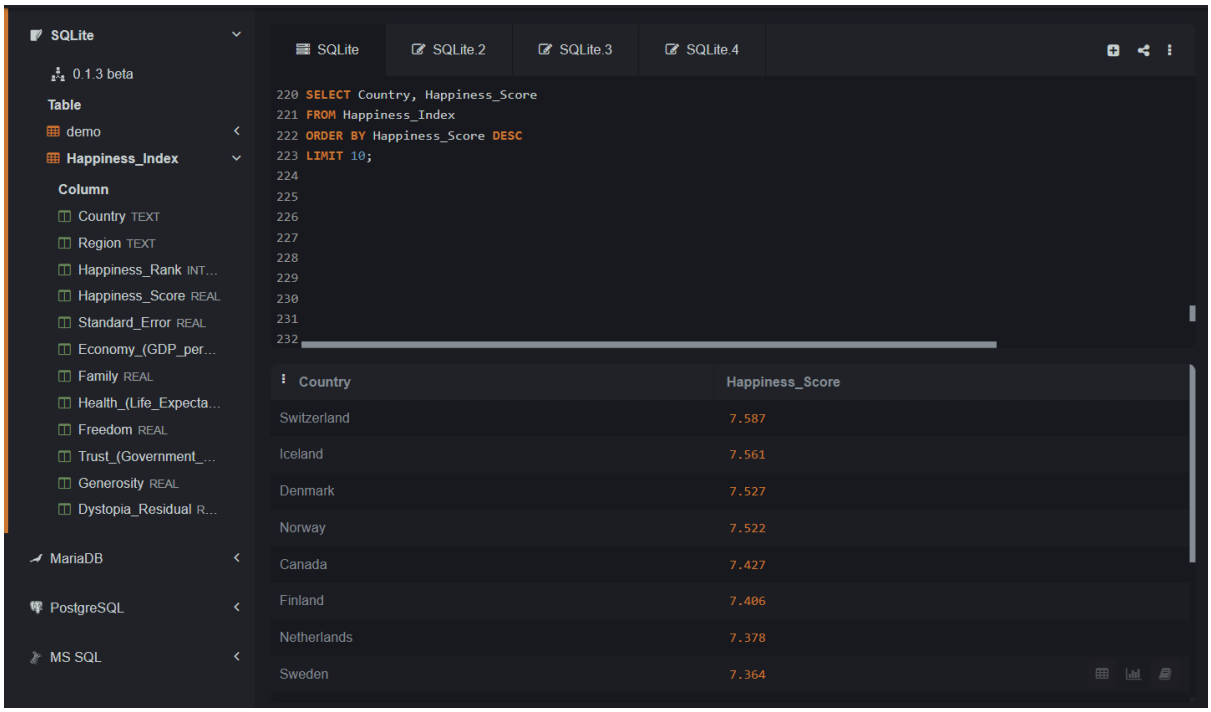
SQL Project

Dataset - World Happiness Index

1) Which are the top 10 happiest countries in the given dataset?

SELECT Country, Happiness_Score FROM Happiness_Index ORDER BY Happiness_Score DESC LIMIT 10;



2) What is the average happiness score across all countries and years?

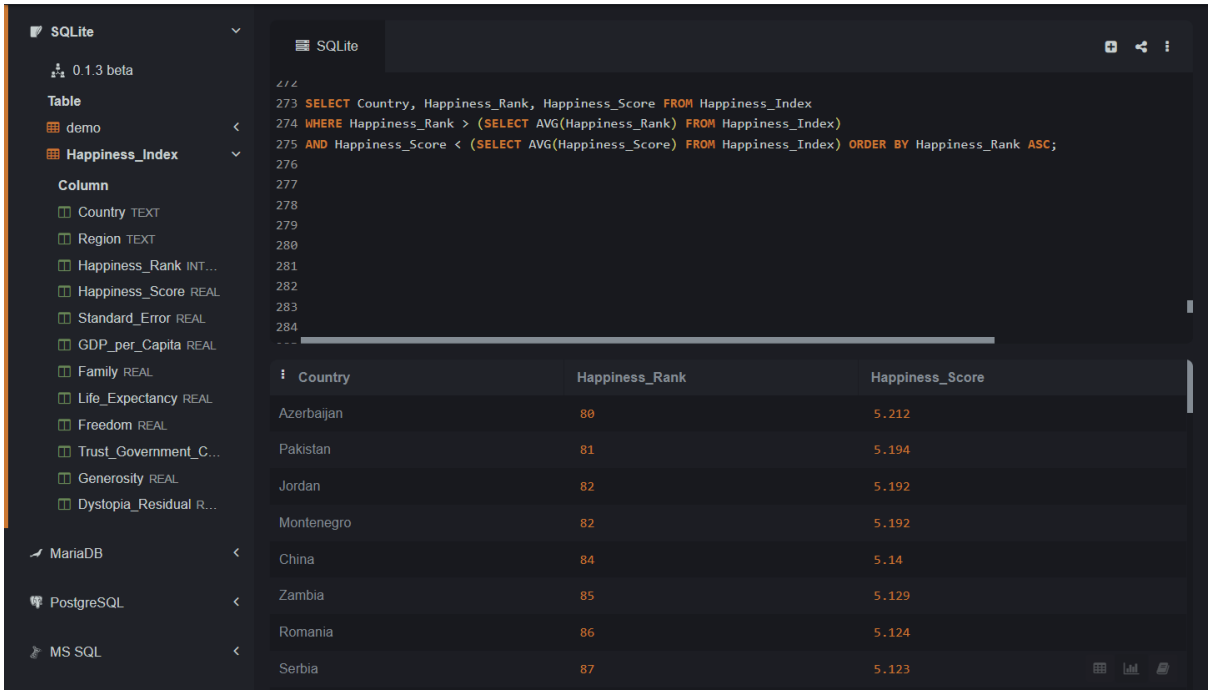
SELECT AVG(happiness_score) FROM Happiness_Index;

3) Which are the bottom 10 Countries with the lowest Happiness Score?

SELECT Country, Happiness_Rank, Happiness_Score FROM Happiness_Index ORDER BY Happiness_Rank DESC LIMIT 10;

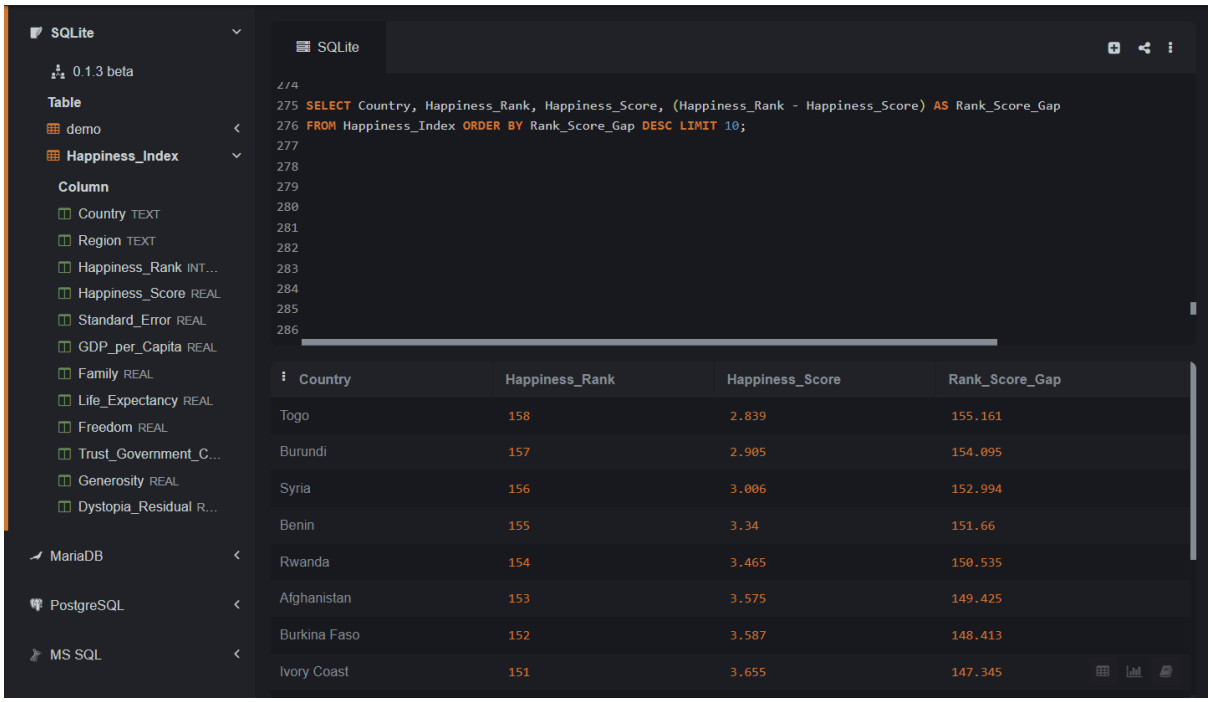
4) Which are the countries with Happiness Rank and Happiness Score below the Global Average?

SELECT Country, Happiness_Rank, Happiness_Score FROM Happiness_Index WHERE Happiness_Rank > (SELECT AVG(Happiness_Rank) FROM Happiness_Index) AND Happiness_Score < (SELECT AVG(Happiness_Score) FROM Happiness_Index) ORDER BY Happiness_Rank ASC;



5) Which are the countries with significant gaps between Happiness Rank and Happiness Score?

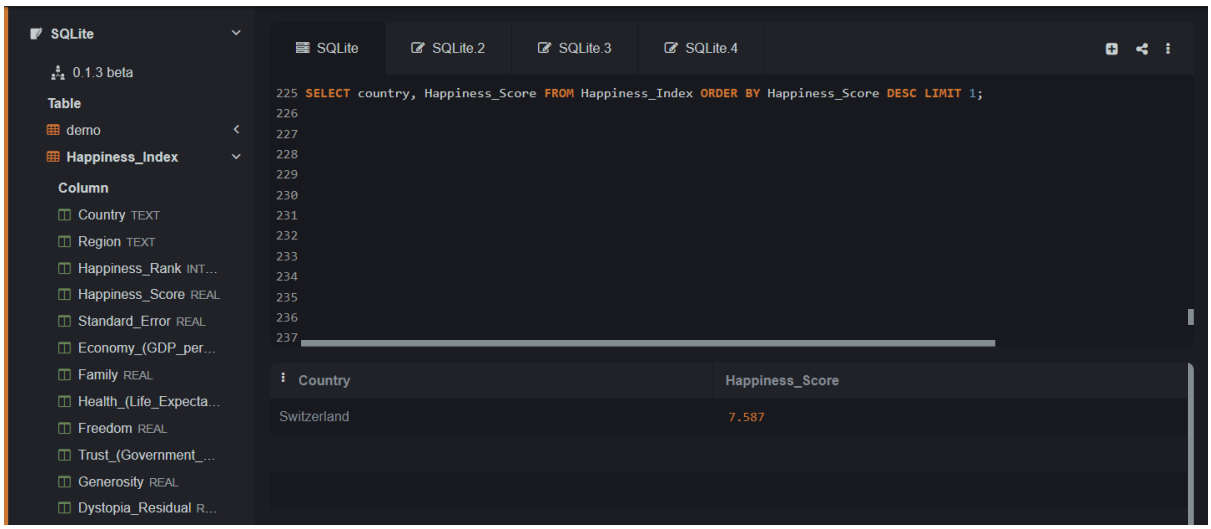
SELECT Country, Happiness_Rank, Happiness_Score, (Happiness_Rank - Happiness_Score) AS Rank_Score_Gap FROM Happiness_Index ORDER BY Rank_Score_Gap DESC LIMIT 10;

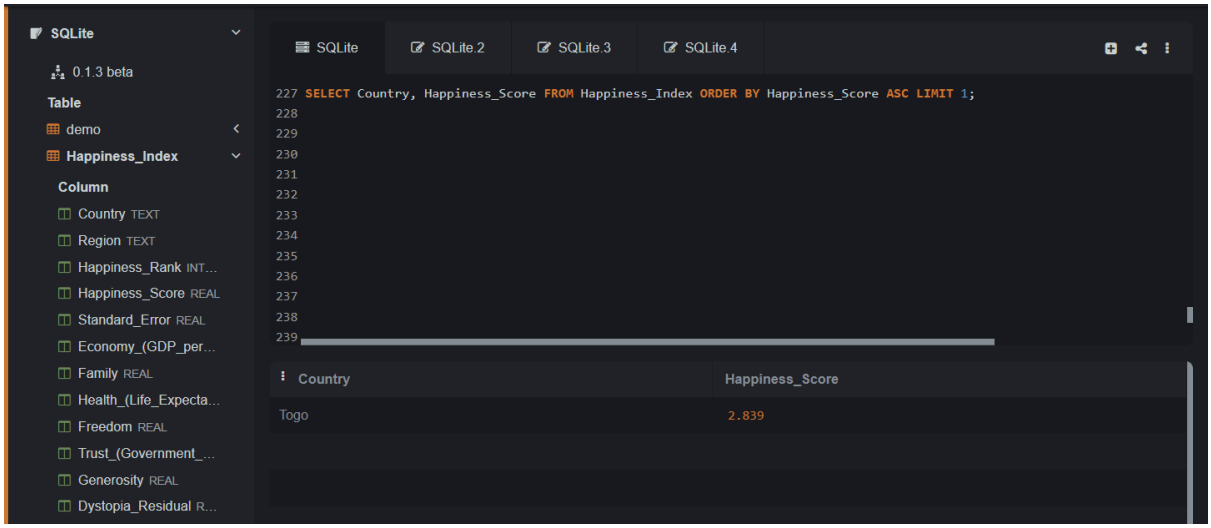


6) Find the countries with the maximum and minimum happiness scores in the dataset.

SELECT country, Happiness_Score FROM Happiness_Index ORDER BY Happiness_Score DESC LIMIT 1;

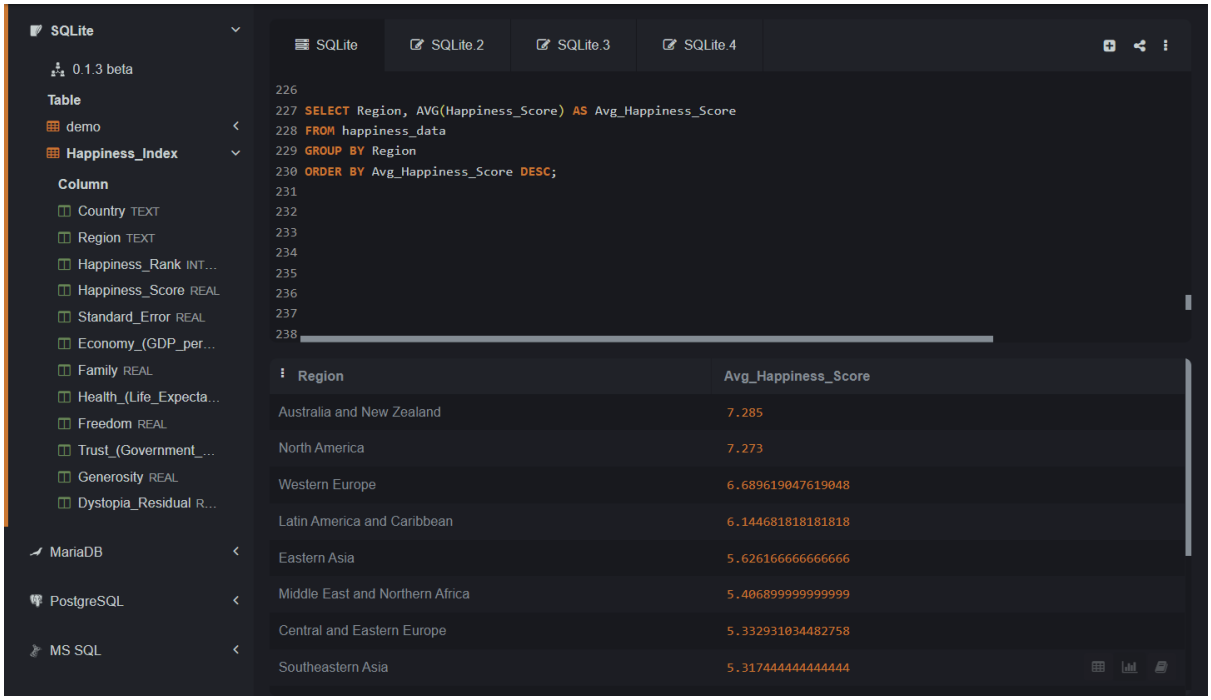
SELECT Country, Happiness_Score FROM Happiness_Index ORDER BY Happiness_Score ASC LIMIT 1;





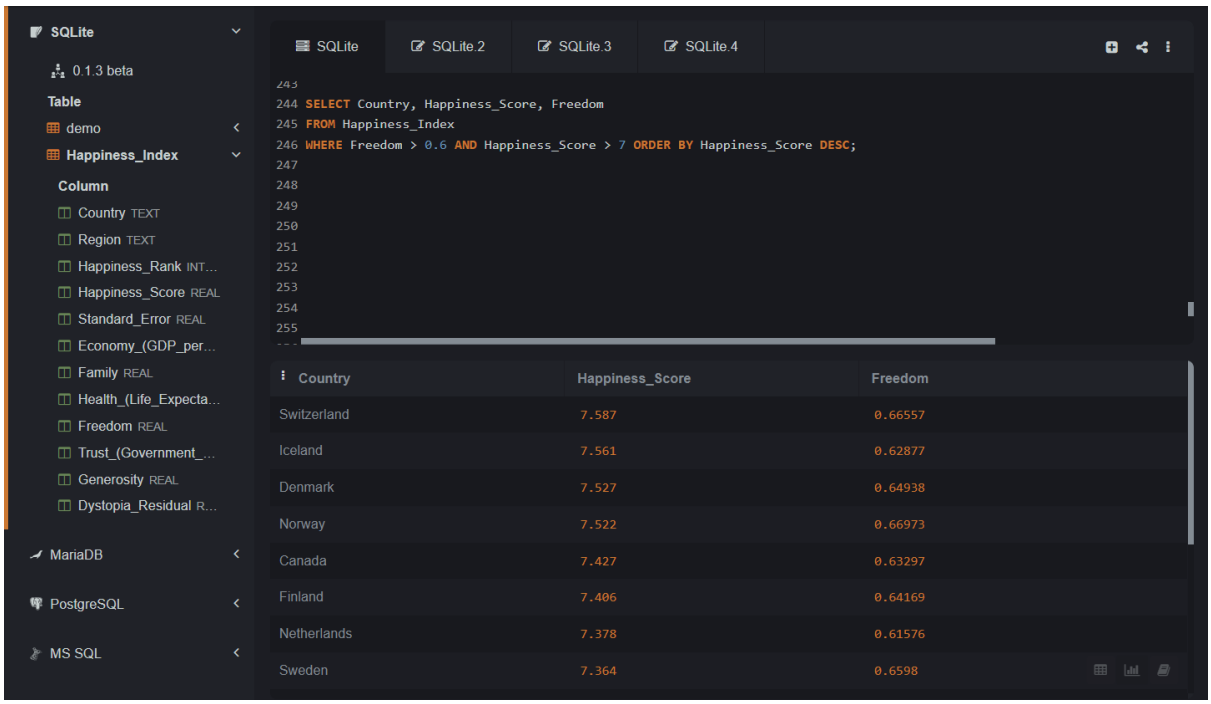
7) Which regions have the highest average happiness score?

SELECT Region, AVG(Happiness_Score) AS Avg_Happiness_Score FROM Happiness_Index GROUP BY Region ORDER BY Avg_Happiness_Score DESC;



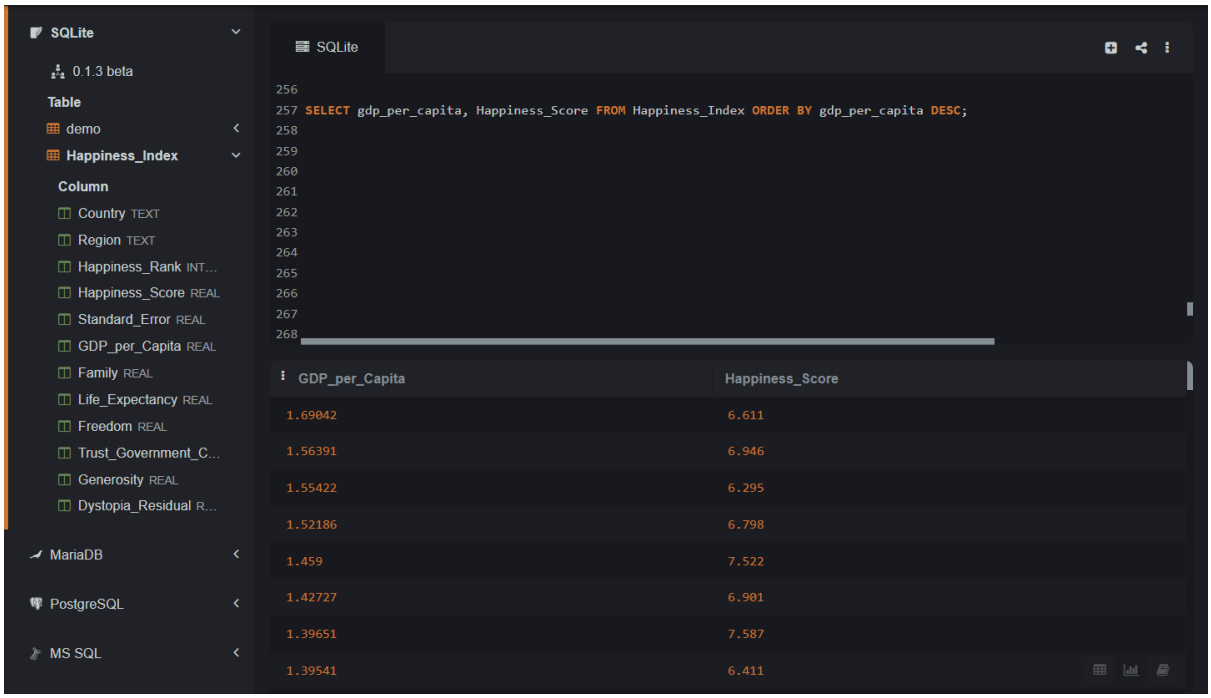
8) What countries have high freedom scores< 0.6 and high happiness greater than 7?

SELECT Country, Happiness_Score, Freedom FROM Happiness_Index WHERE Freedom > 0.6 AND Happiness_Score > 7 ORDER BY Happiness_Score DESC;



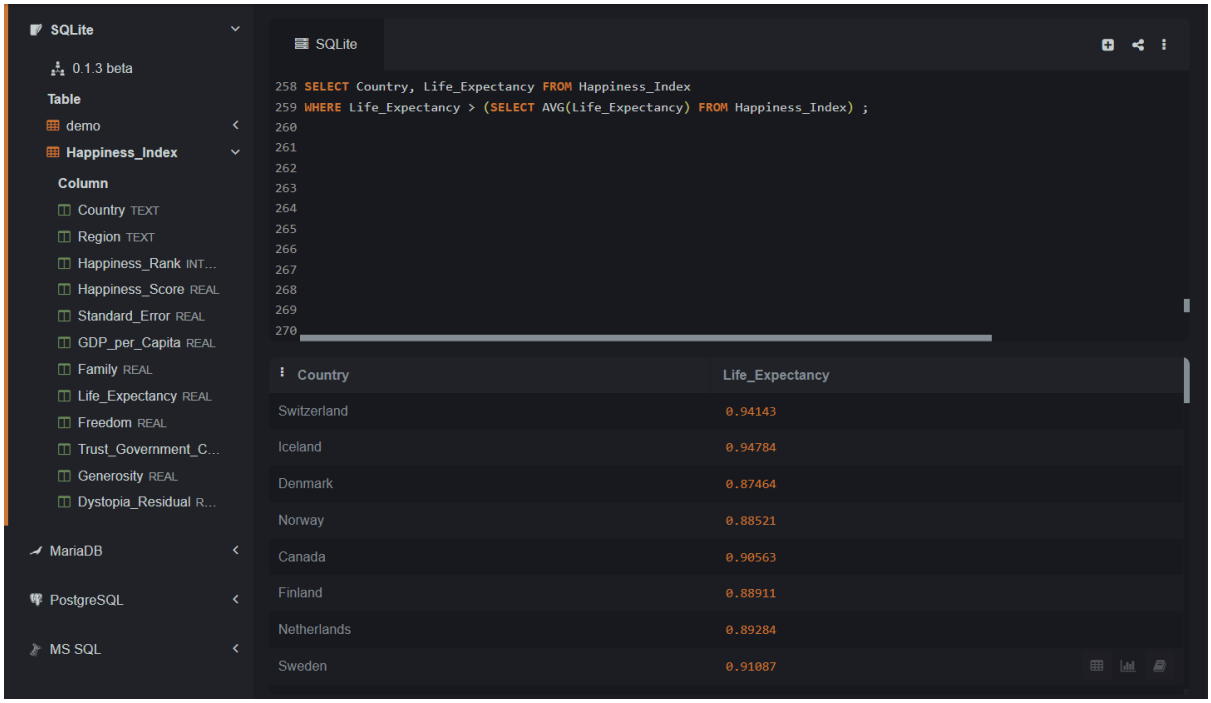
9) Find the correlation between GDP per capita and happiness score.

SELECT gdp_per_capita, Happiness_Score FROM Happiness_Index ORDER BY gdp_per_capita DESC;



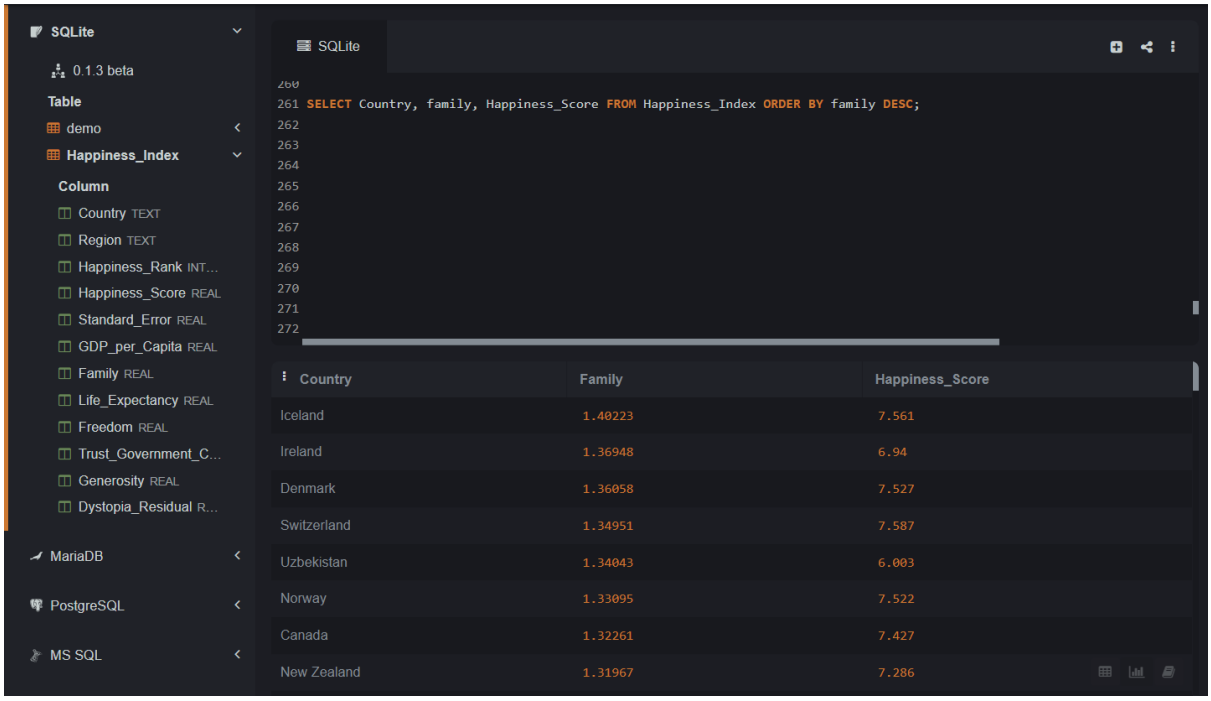
10) Which are the countries with Life Expectancy above average?

SELECT Country, Life_Expectancy FROM Happiness_Index WHERE Life_Expectancy > (SELECT AVG(Life_Expectancy) FROM Happiness_Index);



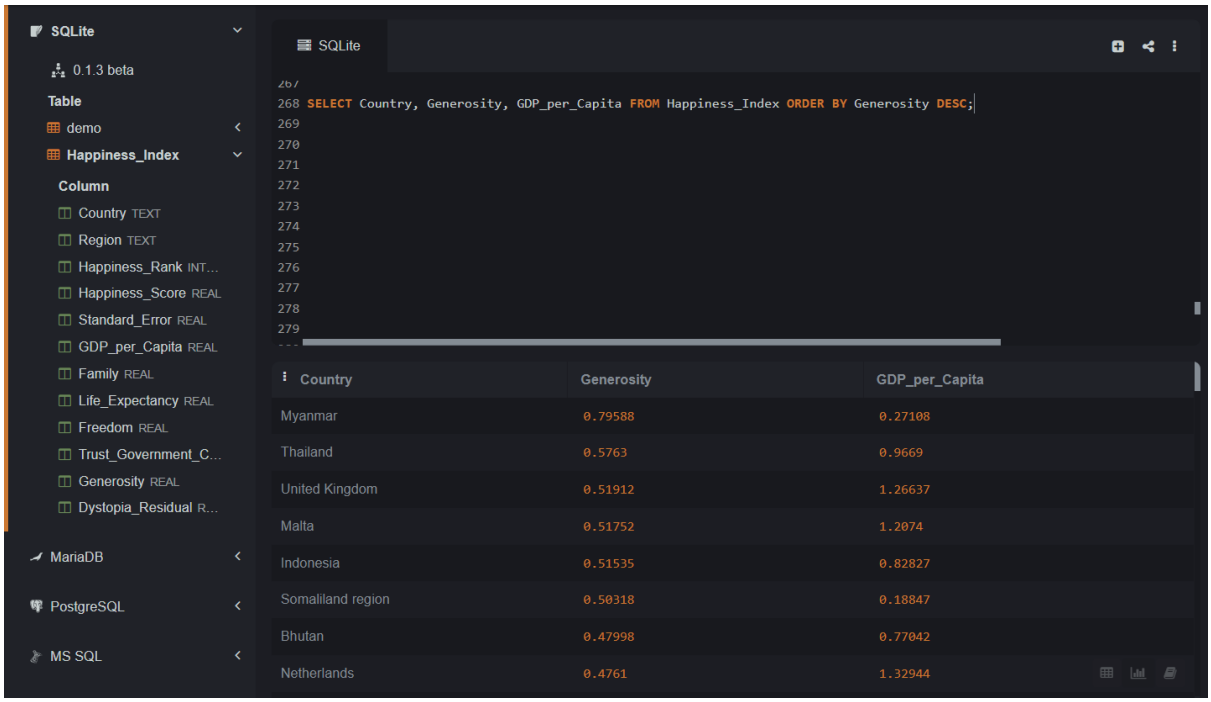
11) Find the Correlation Between Family Support and Happiness Score.

SELECT Country, family, Happiness_Score FROM Happiness_Index ORDER BY family DESC;



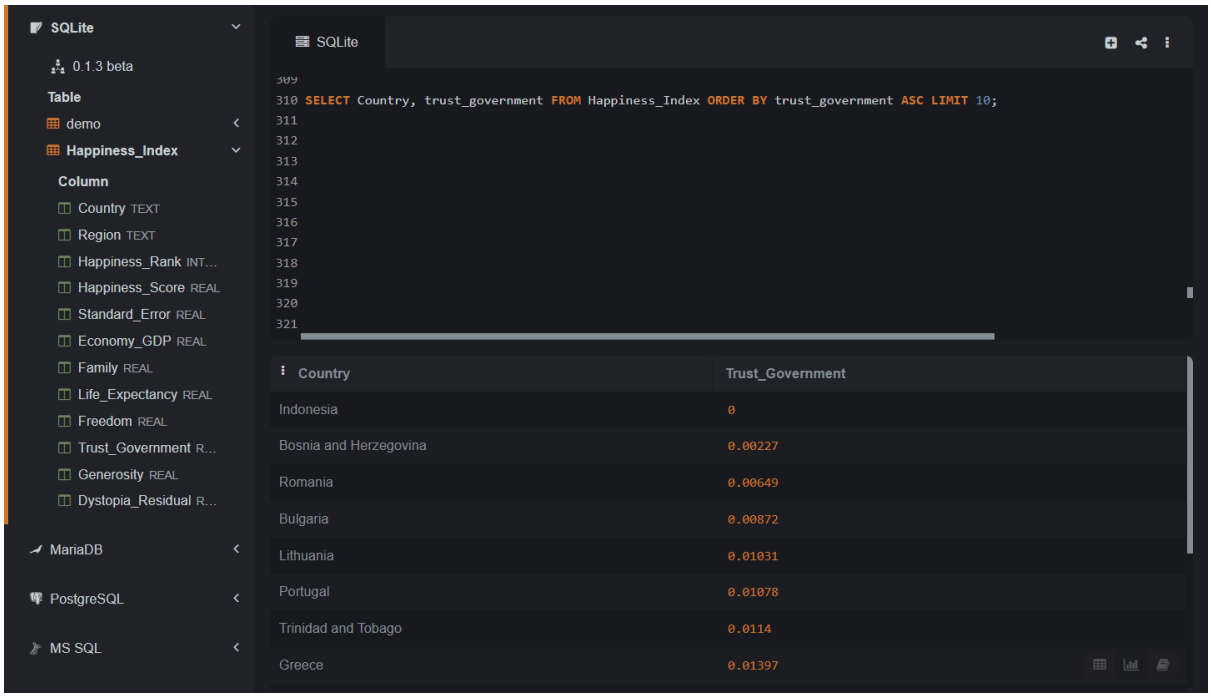
12) How does Freedom compare to other factors (like corruption or generosity) across countries?

SELECT country, freedom, corruption, generosity FROM Happiness_Index ORDER BY freedom DESC LIMIT 10;



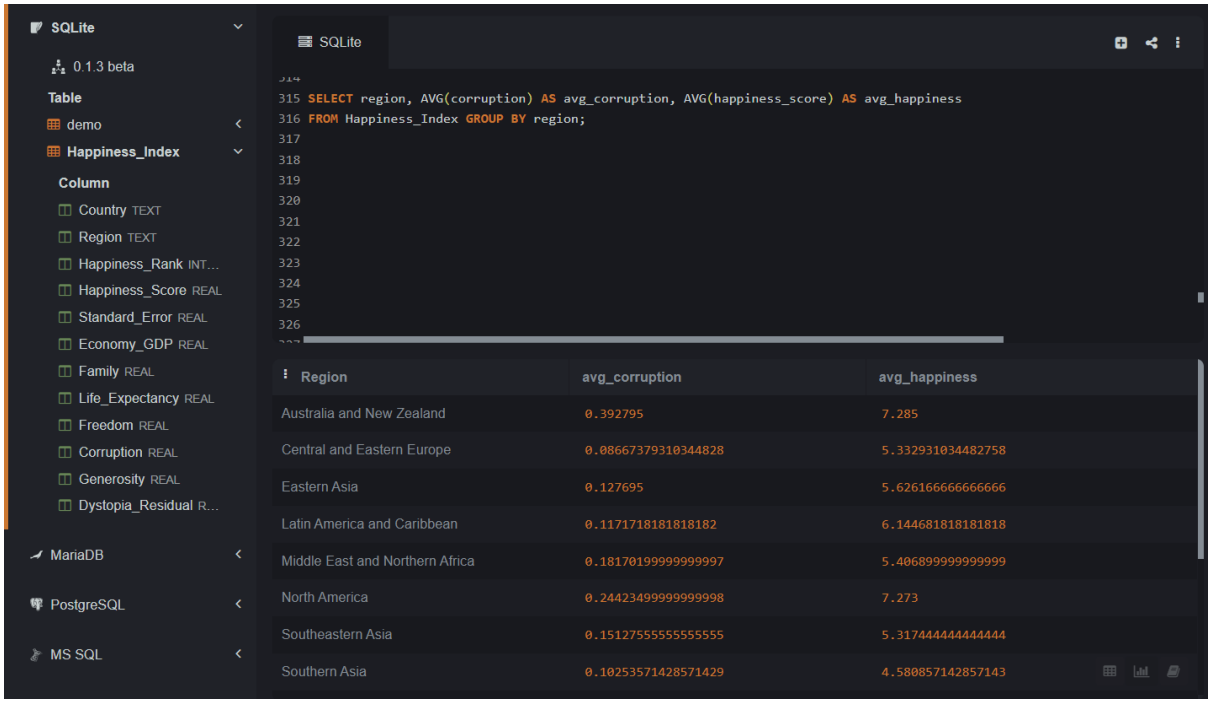
13) Which are the top 10 countries with the Lowest Government Trust?

SELECT Country, trust_government_corruption FROM Happiness_Index ORDER BY trust_government ASC LIMIT 10;



14) How does the level of corruption affect the happiness score in different regions?

SELECT region, AVG(corruption) AS avg_corruption, AVG(happiness_score) AS avg_happiness FROM Happiness_Index GROUP BY region;

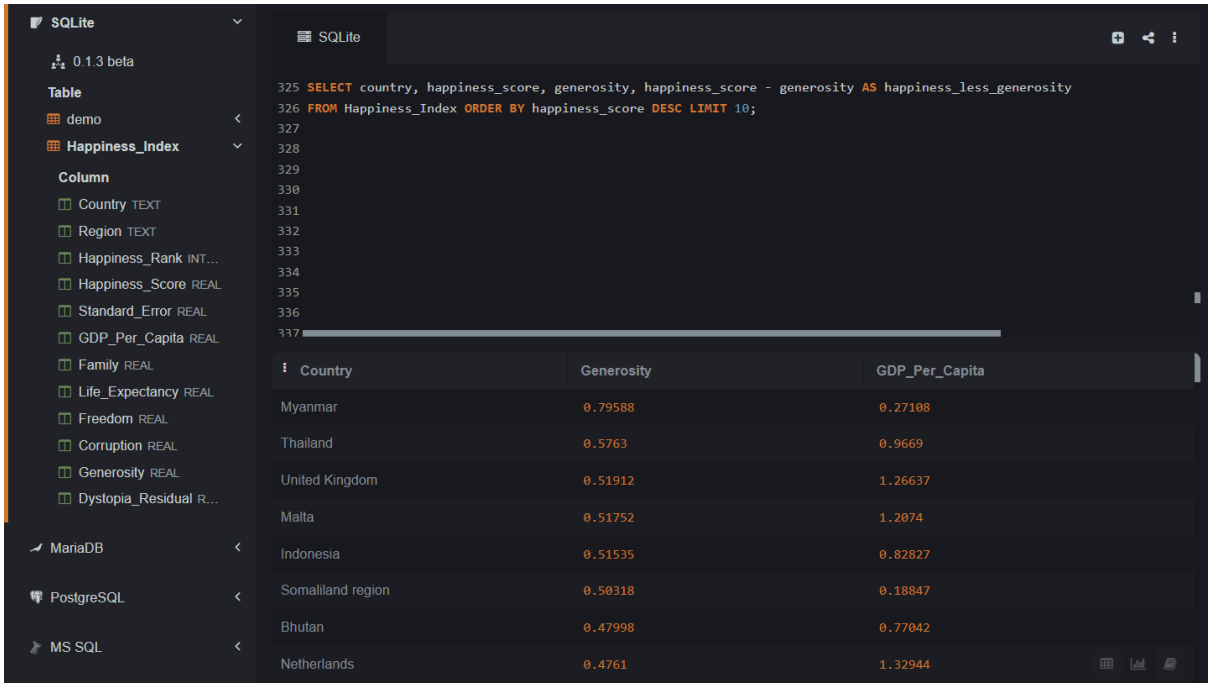


15) Find the relationship between generosity and economic wealth.

SELECT Country, Generosity, GDP_per_Capita FROM Happiness_Index ORDER BY Generosity DESC;

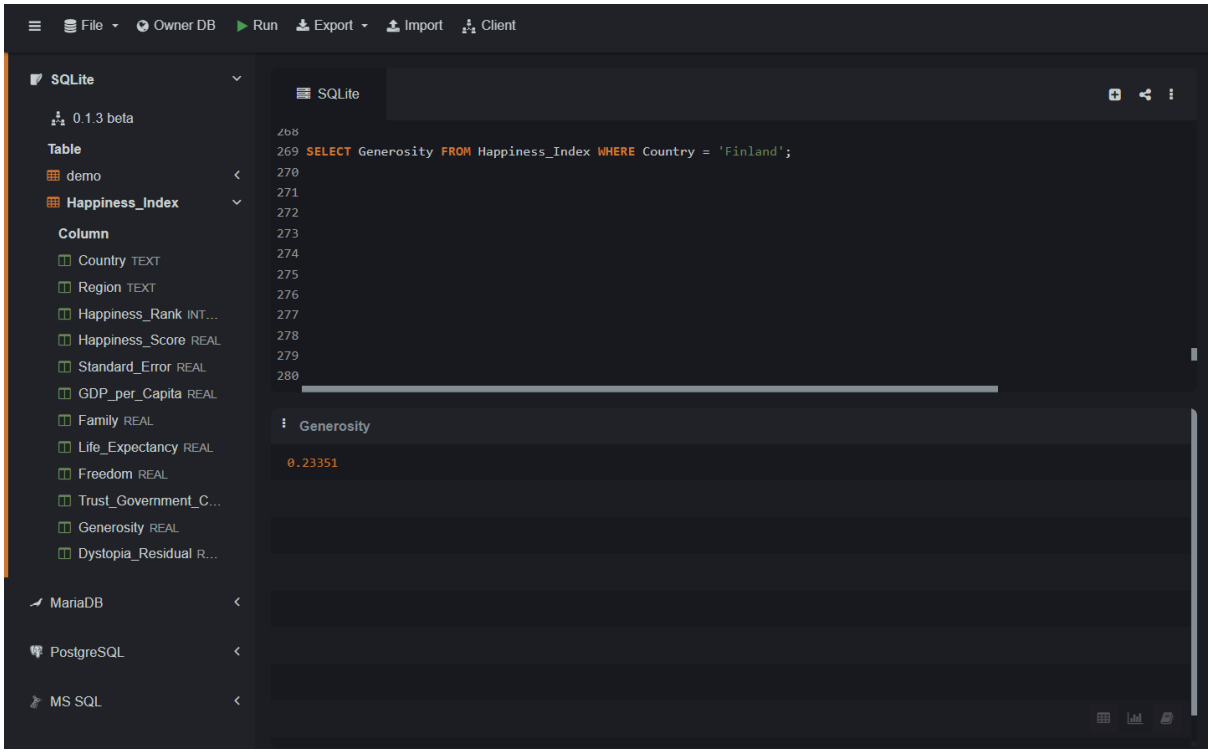
16) For the countries with the highest happiness scores, how much does Generosity contribute to the happiness score?

SELECT country, happiness_score, generosity, happiness_score - generosity AS happiness_less_generosity FROM Happiness_Index ORDER BY happiness_score DESC LIMIT 10;



17) Find the Generosity in Finland.

SELECT Generosity FROM Happiness_Index WHERE Country = 'Finland';

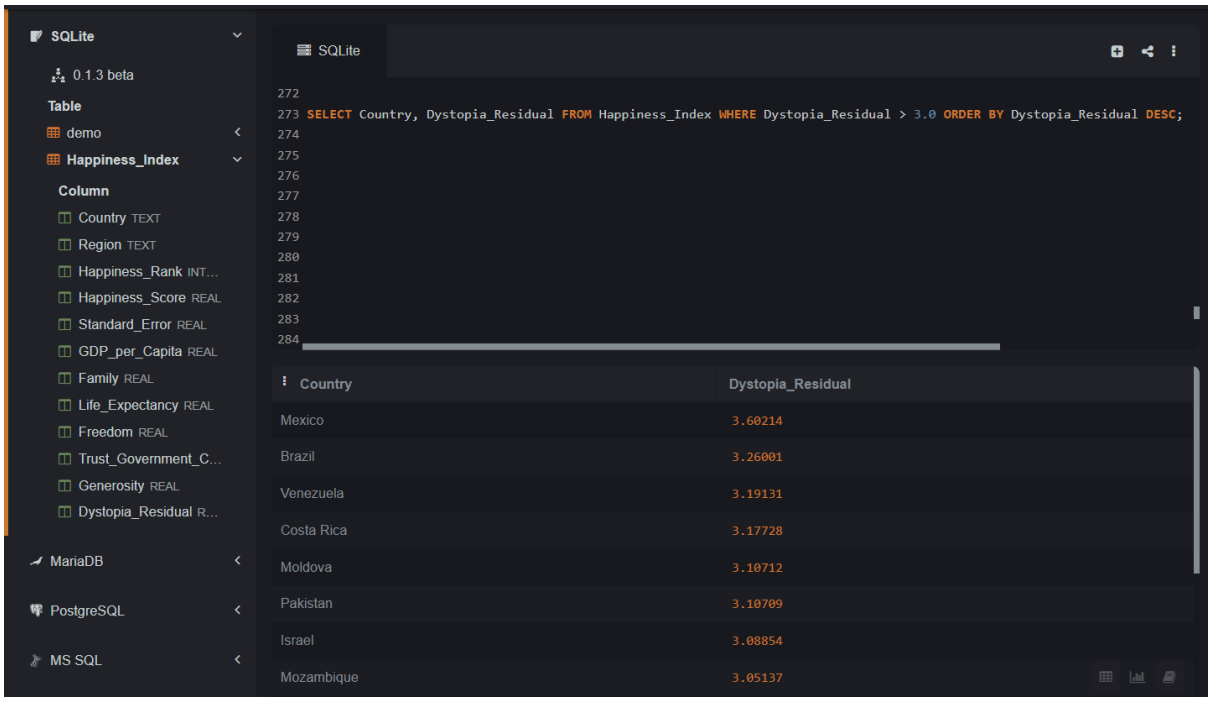


18) Which are the countries with High Happiness and Low Dystopia Residual?

SELECT Country, Happiness_Score, Dystopia_Residual FROM Happiness_Index WHERE Dystopia_Residual < 1.0 ORDER BY Happiness_Score DESC;

19) Which are the countries with dystopia_residual above threshold 3.0?

SELECT Country, Dystopia_Residual FROM Happiness_Index WHERE Dystopia_Residual > 3.0 ORDER BY Dystopia_Residual DESC;



20) List the countries with the highest negative Dystopia Residuals.

SELECT country, dystopia_residual, happiness_score FROM Happiness_Index WHERE dystopia_residual < 1 ORDER BY dystopia_residual ASC LIMIT 10;