

Conclusion:

The project helped me practice my skills in SQL and Tableau. I was able to extract wisdom and insights from the dataset that gave me a better understanding of how population is spread around the globe and which areas are booming. Here are the questions and the answers that I found through the SQL queries.

1. What are the top ten cities by population in 2024?
2. What is the average growth rate across all cities?
3. Which country has the highest number of cities in the dataset?
4. What is the average population growth rate for cities in the top 5 most populous countries?
5. How many cities experienced a negative growth rate from 2023 to 2024?
6. Which city has the smallest population in 2024 among the cities with a population greater than 1 million?
7. What is the total population across all cities in 2024?

Answers:

1. Tokyo (37,115,035), Delhi (33,807,403), Shanghai (29,867,918), Dhaka (23,935,652), São Paulo (22,806,704), Cairo (22,623,874), Mexico City (22,505,315), Beijing (22,189,082), Mumbai (21,673,149), and Osaka (18,967,459).
2. The average growth rate is 0.0201
3. The country with the highest number of cities in the dataset is China with 225 cities
4. The average population growth rate for cities in the top 5 most populous countries goes as follows: Japan is -0.0017, India is 0.0245, China is 0.0239, Brazil is 0.0102, and Mexico is 0.0158.
5. 33 cities experienced a negative growth rate from 2023 to 2024
6. The city with the smallest population in 2024 among the cities with a population greater than 1 million was Jos, Nigeria with a population of 1,001,155
7. The total population across all the cities in 2024 is 2,126,116,191

Thank you for taking the time to look over my project!