

World's Largest Cities Population 2023-2024 Analysis Project

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Introduction:

Coming from a real estate background, I wanted the project to showcase my knowledge of SQL and Tableau in an area that I am familiar with. The dataset displays population sizes of the largest 800+ cities across the globe for the years 2023 and 2024. The goal of the project is to analyze the data by creating SQL queries that extract the answer to the questions I have created. I want to find out what are the trends and patterns in this dataset. I have created 7 questions to showcase different functions in SQL. The Tableau Workbook is a visualization of the different graphs to display to the audience data trends, correlations, and anomalies and enhance data-driven communication.

Outline:

Introduction

Questions

SQL Query 1

SQL Query 2

SQL Query 3

SQL Query 4

SQL Query 5

SQL Query 6

SQL Query 7

Tableau Workbook

Conclusion

Questions:

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?

Link to World Largest Cities by Population 2024 Dataset:

<https://www.kaggle.com/datasets/ibrarhussain123/world-largest-cities-by-population-2024>

Link to Tableau Workbook:

The Tableau Workbook is featured in the repository, I will also include a link to the Tableau Public page.

<https://public.tableau.com/app/profile/yubeuly.conde/viz/WorldsLargestCitiesbyPopulationAnalysis2023-2024/Dashboard1>