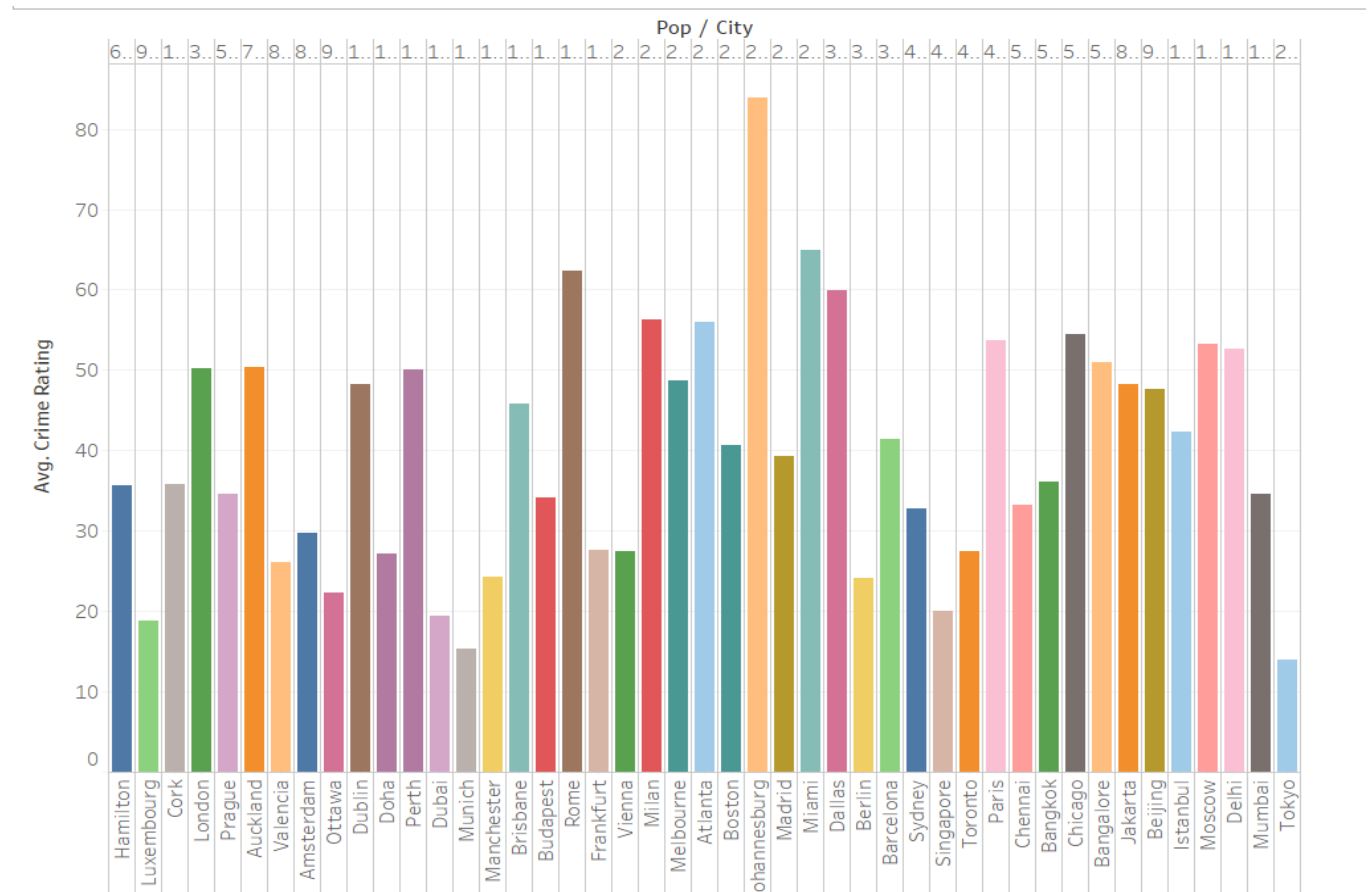


## Business Intelligence Queries

### Case 1:

Does the population affect the overall crime rating in the city?

To analyze the above case, will use crime rating, population of the city and the city itself from the fact table.

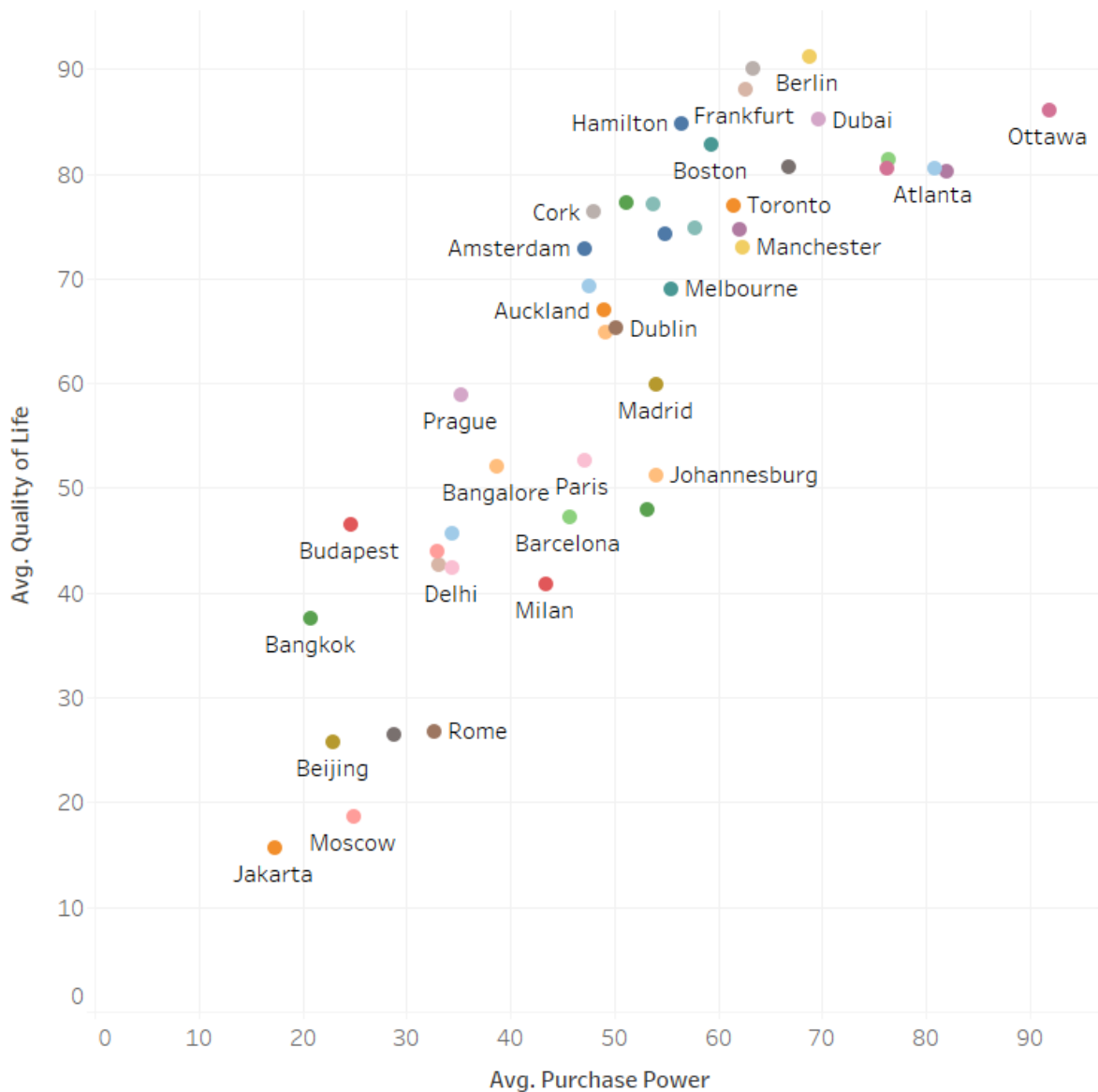


**Result:** The cities are sorted in ascending order of the population. As Tokyo is having high population of than any other city relatively crime rating is less. For Hamilton city the population is very less still the crime rating is quite high. So, from the graph above, population does not affect the crimes in the city.

### Case 2:

Does the cost of living have an impact on the quality of life?

To solve this, will use cost of living index from the living measure and quality of life rating form the rating measure.



**Result:** From the above graph, a straight line can be plotted between these cities. As the purchasing power increases the quality of life also increase so we can conclude that the cost of living impacts on the quality of life also.

### Case 3:

Does the price of gasoline effects on the pollution and the health care index on the city?

Health index, gas price and pollution index are taken to analyze this case.



**Result:** If the price of the gasoline is more people will prefer public transport commute and which will relatively reduce the pollution and increase the health index of the city. From the graph above if big circles present the health index. Pollution and health care index are higher in some cities which fails the above said possibility. Thus, increasing the price of the gasoline will not reduce the pollution of city.