Business Intelligence System Infrastructure

Data Visualization Topics

Map

Description automatically generated Algonquin College

22F\_CST2106

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Project:

Growth of World Population and Future Prediction

Due: 5th December 2022

# Executive Summary

Text, letter

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## Data source

## Scope

1st January 1950 to 1st January 2021

# Background

1. Top 20 countries present (1950-2021)
2. Growth rate
3. Population by sex (ratio)
4. Birth rate
5. Mortality rate (M-F)
6. Life expectancy (up to 60)
7. Net Migration
8. Top 20 countries future (2030, 2040 and 2050)
9. Future Growth rate?

## Problem Statements

# Analysis

South America and Africa have seen a constant increase in their growth rate and seeing as they house the top megacities of the future it is not surprising to see that they have the highest percent of countries moving into the top 20 most populated countries category.

A screenshot of a computer

Description automatically generated Graphical user interface, chart

Description automatically generated with medium confidence

Comparing the two charts we can see that the 2020 prediction of the population from previous years factored in the growth rates of the countries, with the most recent one from 2019 predicting the population at 7.79 billion, even though Covid-19 caused a spike in the mortality rate as seen in an earlier chart, the results did not stray away from it with the population reaching 7.80 billion. So it can be inferred that the prediction is mostly reliable.

## Conclusion & Recommendations

# Team Assessment

## Project Timeline

## Assessment

# Reference

# Bibliography

<https://www.kaggle.com/code/elmoallistair/world-population-analysis>