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# Introduction

## Description

While selecting the dataset to analyse for the coursework, I came across one that included a country's average IQ along with other metrics like its literacy rate, HDI (Human Development Index), and the number of Nobel Prizes it has received (Mlippo, 2023).

I want to explore the correlation between those variables to establish the connection between an average intelligence level of a country and its socio-economic development.

## Hypothesis

## There is a correlation between intelligence, as measured by average IQ scores, and a variety of socioeconomic factors, including literacy rates, the HD, educational attainment (School Years), and GNI.

## Data Overview

After removing erroneous and null data, I was left with 179 countries that had information about their region, which can be seen in figure 1.



Figure 1 - Regions in the data set

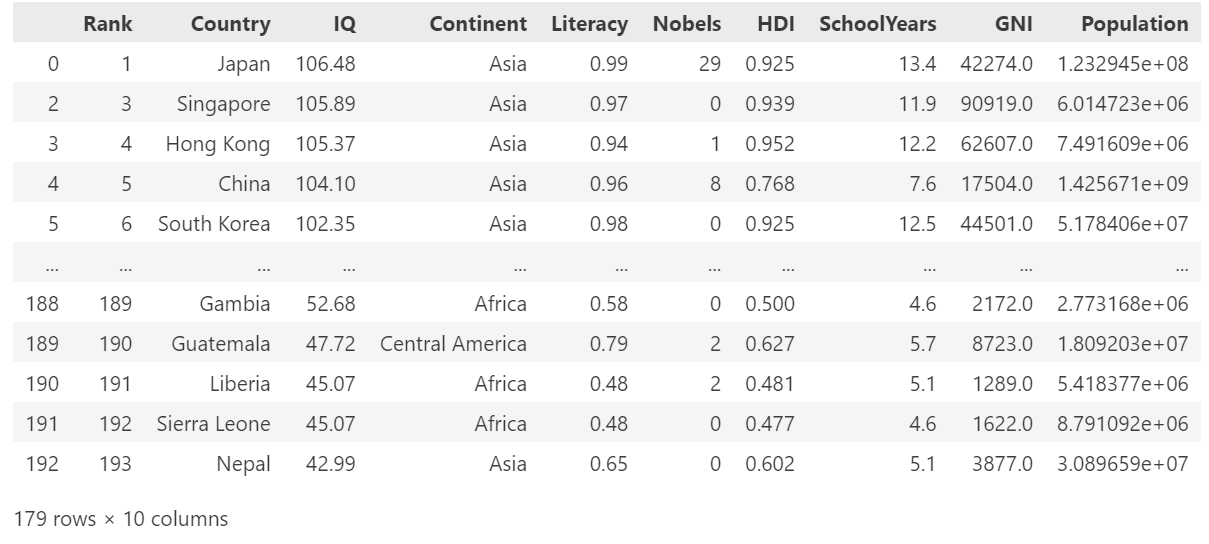


Table 1 - Dataset example

### Data limitations

Unfortunately, the dataset has not been updated completely and includes data from 2021 (the HDI and GNI) that were taken from an earlier dataset that the same person published in 2021. In order for my conclusions to be legitimate, I have to assume that both of these parameters haven't changed significantly since then.

Although I am unable to do a detailed study at the city level due to the limitation of my dataset, this is a rare chance to obtain major insights at a larger continental size. Focusing on entire continents allows me to look at the ways in which regional dynamics, educational systems, and economic issues as a whole influence differences in average IQ scores.

# Unit testing

# Data analysis

# Conclusion

# Table of figures

[Figure 1 - Regions in the data set 2](https://qmulprod-my.sharepoint.com/personal/ec22805_qmul_ac_uk/Documents/Documents/Year%202/Software%20Practices/ProfessionalSoftwareModule/Coursework/Report/Report%20(2).docx#_Toc152455062)

[Table 1 - Dataset example 2](https://qmulprod-my.sharepoint.com/personal/ec22805_qmul_ac_uk/Documents/Documents/Year%202/Software%20Practices/ProfessionalSoftwareModule/Coursework/Report/Report%20(2).docx#_Toc152455114)

# References

Mlippo, 2023. *Average global IQ per country with other stats.* [Online]   
Available at: 25  
[Accessed https://www.kaggle.com/datasets/mlippo/average-global-iq-per-country-with-other-stats November 2023].