Chapter 2
Analyzing Billionaire Databases Using Python

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ABSTRACT

The network of billionaires could be analyzed through their data and information. Python has the capability of taking data and information from many sources and analyzing them from a single database. The idea of the report is to compare databases with all the billionaires in the world at different time frames. By collecting all the needed, such as personal information and integrable data, the program will output them in a table. The program takes datasets in the Comma Separated Values file and gives out the output through the Google Colab platform. The authors give importance to net worth and other publicly sensitive information that will be analyzed by the Python program. The purpose of analyzing billionaires around the world is to find similarities among countries with the potential for greater economic development.

INTRODUCTION

This report is a comparative analysis that explores the changes between two datasets that contain information on the top billionaires through different points in time (Asif, Muhammad, et al. 2021). The methodology of this research is quantitative; therefore, the conclusion will come from analyzing the statistics. The successful carriers of Billionaires have been linked to larger economic growth and opportunities at the international level (Bart et al. 2016). There has been much debate on what determines Billionaires to rise and remain on the scene. The underlying factor stands on the industries and domains that are prone to be more successful (Dangi et al., 2023; Podder et al., 2023). We will consider other research that has been conducted on this particular topic. The research paper conducted by Eric Neumayer analyzes billionaires from a global perspective, issuing how more economically wealthy countries such as the US appear to dominate in the number of billionaires according to the Forbes lists from 2001-2003 (Guha et al., 2023). There is an observation that there are billionaires emerging from developing countries and there is a correlation between the involvement of the government, the individual, and the circumstances in economic freedom (Banzhaf et al., 2021; Capehart et al., 2014). The analysis estimates models of

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developed and developing countries. There is a claim that more freedom for individuals with greater qualities to persevere in personal economic growth will reach and impact great successful economic wealth. One of the considerations is additional circumstances, such as the protection rights of private property deducted by an index in economic freedom (Bagchi et al., 2019. Jain et al., 2023). The author hypotheses if an economy is prone to a considerable degree of government involvement, great wealth cannot emerge even when the basic core of economic freedom exists. The conclusion, however, appears to disagree that government involvement has an impact because the differences between estimations are not that significant. The most notable outcome is that developed countries with good privacy protection rights have an advantage in accumulating higher wealth rather than developing countries (Ball et al., 2021).

DATASET DESCRIPTION

The Database consists of Billionaire's information. The collection of the data is displayed on a table in the csv file. The Database from which all the output gets displayed is titled "Billionaires.csv".

- **Size:** 189256
- **Python code:**
  from pathlib import Patho
  sizz = Patho('Billionaire.csv').stat().st_size
  print(sizz)

- **No. of col: 7**
- **No. of row: 2765**

Database Description With All Attributes

The columns of the database are Name, Net Worth, Year, Country, Source, Age, and Industry.

Input

The Python program takes 7 inputs in the order given: Name, Net Worth, Country, Source, Rank, Age, and Industry. The first column is reserved for the First name and the Last name combined. The other column contains the Net Worth value which is denoted in Billion Dollars unit. The Net worth is the most important data and it determines the sequence of the order, to clarify, from highest to lowest (Chesters et al., 201; Althar et al., 2023). The following field is Country, which displays the country where the company of the Billionaire is based on. The source is reserved for the Company that generates the income. The rank is the numbered sequence from 1 to 2765 being directly connected to the Net worth from highest to lowest. The Age input is the age of the Billionaire. The Industry field contains the industry of the billion-dollar company, for example, Technology, Metals Mining, Fashion Retail, Automotive, etc. (Clemente et al., 2021; Gurunath et al., 2023).

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