

# Chapter 14

## Analyzing the Rich: Unpacking the World's Billionaires

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### **ABSTRACT**

*The number of billionaires in a country gives us significant insights regarding the country's corporate and economic landscape. The number of billionaires indicates the country's economic performance, financial market strength, and amount of support for entrepreneurship and innovation. The presence of a large number of billionaires suggests that the country has a solid business climate that promotes the growth and success of affluent individuals. These people's riches may have been built through creative business methods, technical developments, or savvy investments. However, it is crucial to highlight that the number of billionaires does not always imply a thriving economy. Our project seeks to investigate the global links of billionaires and their commercial specialization tactics.*

### **INTRODUCTION**

While brainstorming ideas for our Python project, my colleagues and I were intrigued to the exciting and complicated issue of studying billionaires (Carlos M Urzúa et. al., 2010) (Guha, A. et. al., 2023) (Stephen Devadoss et. al.,2020) (Cordier S. et. al.,2009). The sheer volume of money possessed by billionaires throughout the world, as well as the socioeconomic ramifications of such severe wealth concentration, intrigued us (Jeff Luckstead et. al.,2014)(Marco Bee et. al.,2013)(Maldarella D. et. al.,2012). We believed that diving into this topic would allow us to use our programming talents in a real-world situation with important societal implications(Jain, A. et. al., 2023) (Alipour P. et. al.,2019). The decision to use Python to examine billionaires was partly motivated by our desire to challenge ourselves and push the boundaries of our coding talents(Kristian Giesen et. al.,2010)(José María Sarabia et. al.,2009). We knew that this project would need a multidimensional strategy that included data gathering, cleaning, analysis, and visualization(Dangi, P. et. al., 2023). We were intrigued by the potential of combining Python's strong data manipulation and analysis modules, such as Pandas, NumPy, and Matplotlib, to

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obtain insights from billionaires' immense wealth and detailed financial profiles(Piero Monteburuno et. al.,2019)(Sasuke Miyazima et. al.,2000)(Bertotti M. et. al.,2010). The research study introduces a large new dataset on the sources of billionaire income and uses it to examine variations in extreme wealth across sophisticated nations such as the United States and Europe (Althar, R. R. et. al., 2023)(Mondal, S. et. al., 2023)(Tohidi M. et. al.,2017). The dataset categorizes wealth as self-made or inherited, and also defines the firm and industry from which it stems. Individuals classified as self-made billionaires are further classified depending on their roles as firm founders, executives, politically connected, or in finance(Marco Bee et. al.,2017)(Damián H Zanette et. al.,2001)(Podder, S. K. et. al., 2023)(Jourabian M. et. al.,2018).

## **DATASET DESCRIPTION**

The dataset contains information on Billionaires around the world (Sidra Arshad et. al.,2019)(Yannis Ioannides et. al.,2013)(Kausik Gangopadhyay et. al.,2009). This collection of data is contained in a .csv file from which we can get information from and process it (Cunaku, E. et. al., 2023)(Toscani G. et. al.,2006)(Lallouache M. et. al.,2010).

**Size:** 189256

**Python Code:**

```
from pathlib import Path
sz = Path('Billionaire.csv').stat().st_size
print(sz)
```

**Output:** 189256

**Number of Rows:** 2755

**Number of Columns:** 7

Dataset Description with all attributes

The columns of the first dataset are: **Name, NetWorth, Country, Source, Rank, Age, Industry.**

## **Input**

The 7 columns in the .csv file consist of: **Name, NetWorth, Country, Source, Rank, Age, Industry** (Xavier Gabaix et. al.,2004)(Guohua Peng et. al.,2010). All these inputs can be used to analyze the net worth of individuals across different countries, industries, and age groups (Fungisai Nota et. al.,2012) (Kenneth T. Rosen et. al.,1980)(Boudin L. et. al.,2010). It helps us get insight into wealth, trends, and patterns, and can be useful for conducting research on economic inequality, wealth management, and investment strategies to better our investments(Tomson Ogwang et. al.,2013)(Sitabhra Sinha et. al.,2006) (Garg, M. et. al., 2023).

## **Expected Output**

Using the inputs, we can have a look at the top 10 billionaires, and their net worth, besides that we can look into the top niches in which the billionaire's companies are based in, furthermore we can also take

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