

# Global Billionaire Analysis



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Group 6: Maggie Puch, Patricia Ferreira,  
Yenori Alvarez, Daniel Stephens

# Project Overview

The goal of this project is to find trends among billionaires across the globe to see if there correlation between items in the Billionaire Statistics dataset (billionaires-statistics-dataset) and the Billionaires Listed in Forbes dataset (billionaires-listed-in-forbes). Our primary inquiries surround, gender, educational rates, citizenship, residency, country of employment, industry in which they work, self made status, and the country of residency GDP.

# Data Overview

- Merged 2 Data Sets
- Total of 43 columns of data
  - Including Age, Location, Net Worth, Industry, Education Level, Resident Country Information, etc.
  - 2,640 Total Global Billionaires Listed
- Statistics as of April 4, 2023

Citation:

Title: Billionaires Statistics Dataset

URL: <https://www.kaggle.com/datasets/nelgiriwewithana/billionaires-statistics-dataset>

Accessed on: October 26, 2023

Title: Billionaires Statistics Dataset

URL: <https://www.kaggle.com/datasets/sujalluhar/billionaires-listed-in-forbes>

Accessed on: October 26, 2023

# Research Questions:

## Male vs Female

- What is the ratio between male to female billionaires?
- What is the male to female breakdown by industry?
- Top 20 states of residency in the United States by gender?

## Self Made vs Inherited

- Which industry is producing the most billionaires across the globe?
- Number of Billionaires who were self-made vs. Inherited wealth.
- The difference between self made and inherited in the country with the most billionaires.

## Billionaires by Country

- Which countries are producing the most billionaires?
- For the top country, which industry is producing the billionaires?
- Which countries have the largest ratio of billionaire wealth to GDP?

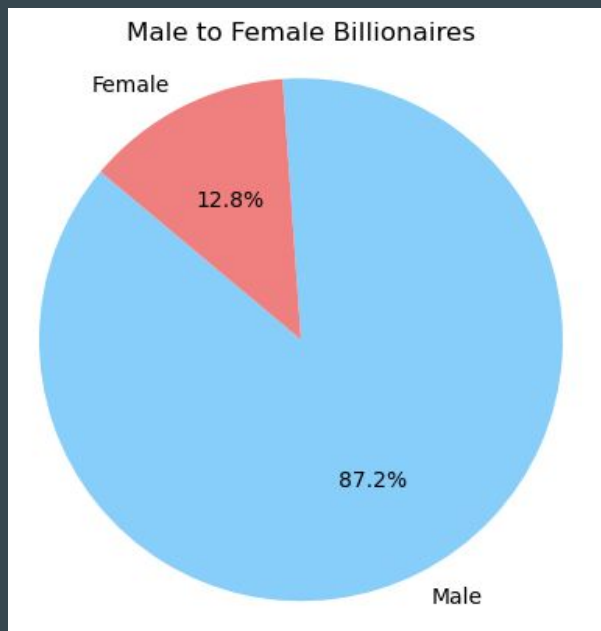
## Education Impact

- What is the ratio of billionaires with higher educational degrees versus those with high school degrees or drop outs?
- How does the source of the billionaires' income affect their educational level?
- How do the differences in education amongst the billionaires affect their net worth?

**Male vs Female**

# Male vs Female

**Question:** What is the ratio between male to female billionaires?



	Male	Female
Count	2303	337
Avg Age	65	64
Median Worth	\$ 2,300,000,000	\$ 2,500,000,000
Mean Worth	\$ 4,631,610,942	\$ 4,570,326,409
Max Worth	\$ 211,000,000,000	\$ 80,500,000,000
Min Worth	\$ 1,000,000,000	\$ 1,000,000,000

# Male vs Female

## Question:

What is the male to female breakdown by industry?

## Top 3 Male:

Finance and Investments

Technology

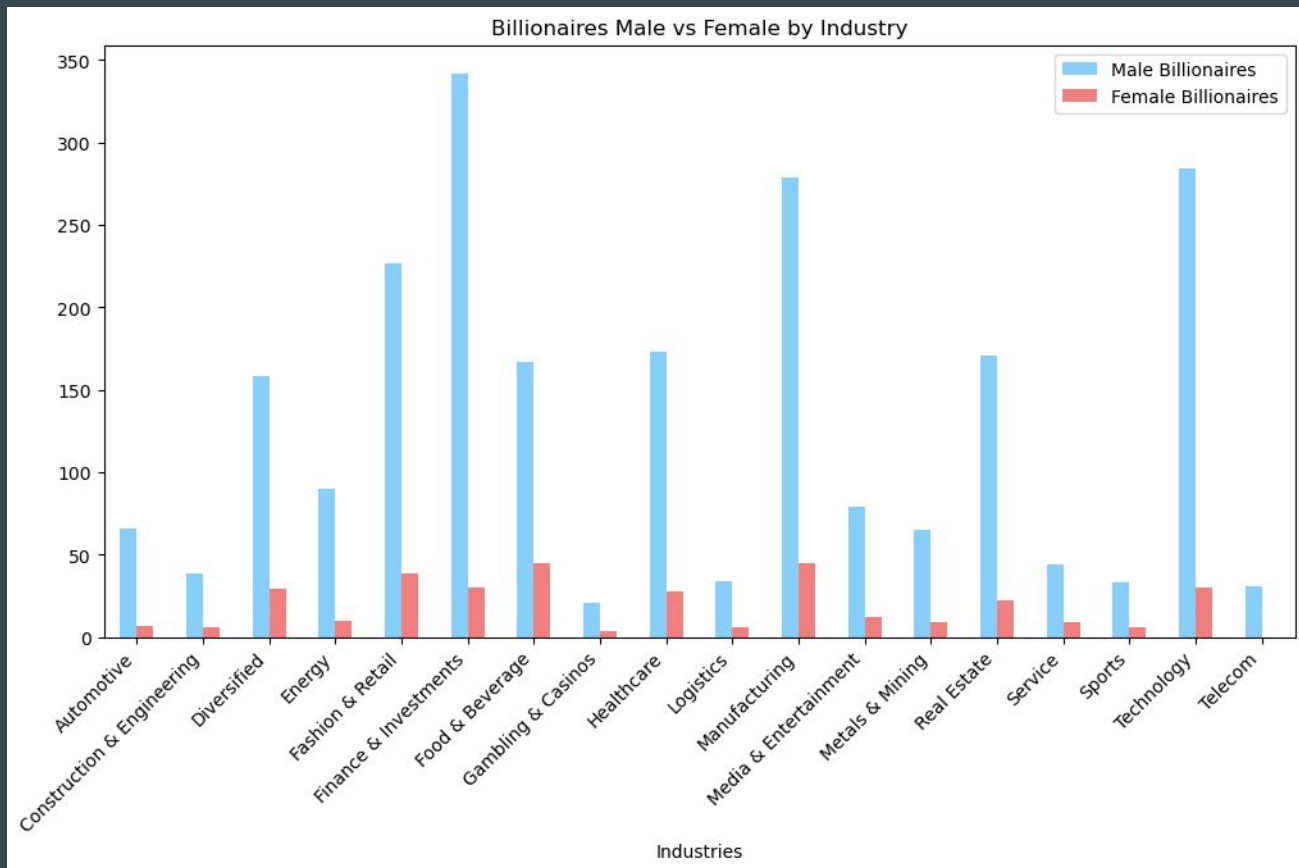
Manufacturing

## Top 3 Female:

Food & Beverage

Manufacturing

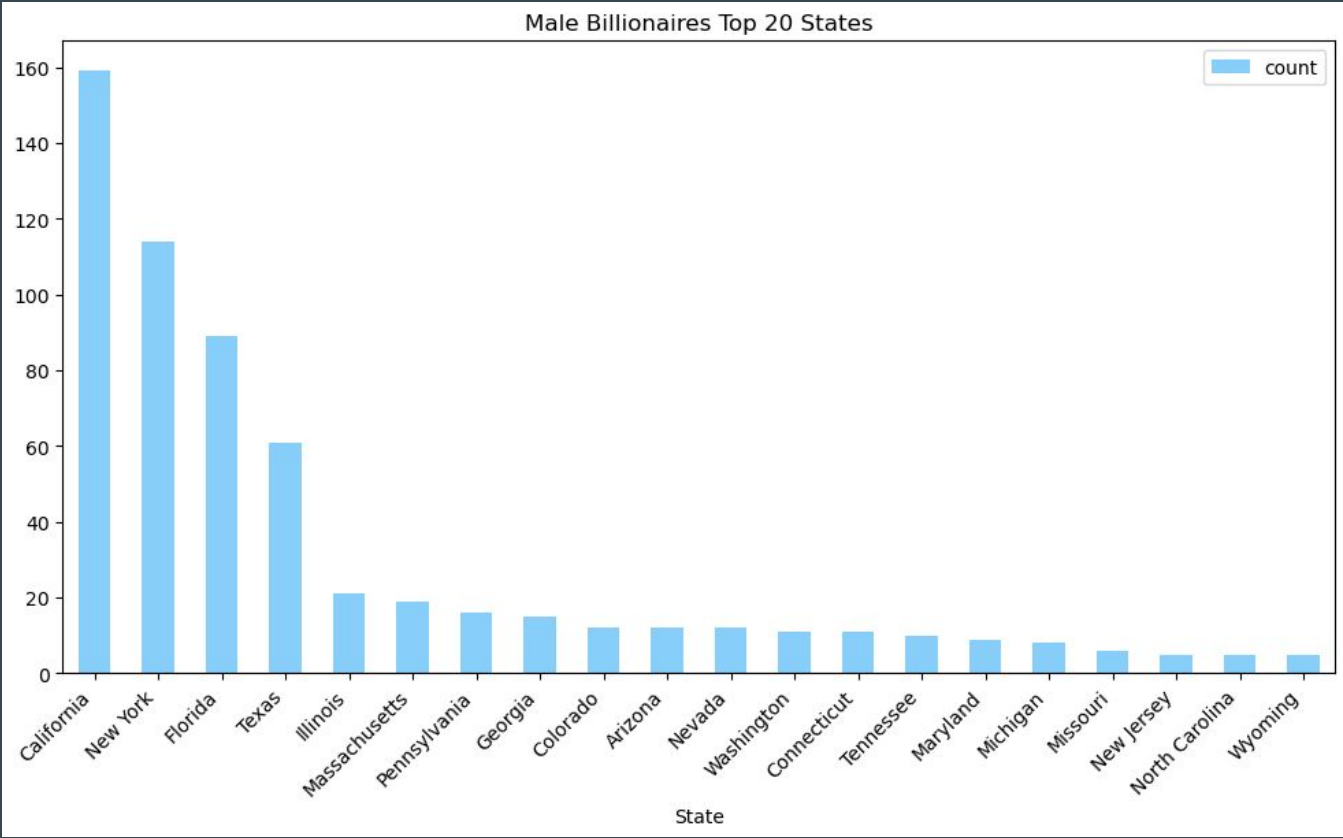
Fashion & Retail



# Male vs Female

## Question:

Top 20 states of residency in the United States by gender.

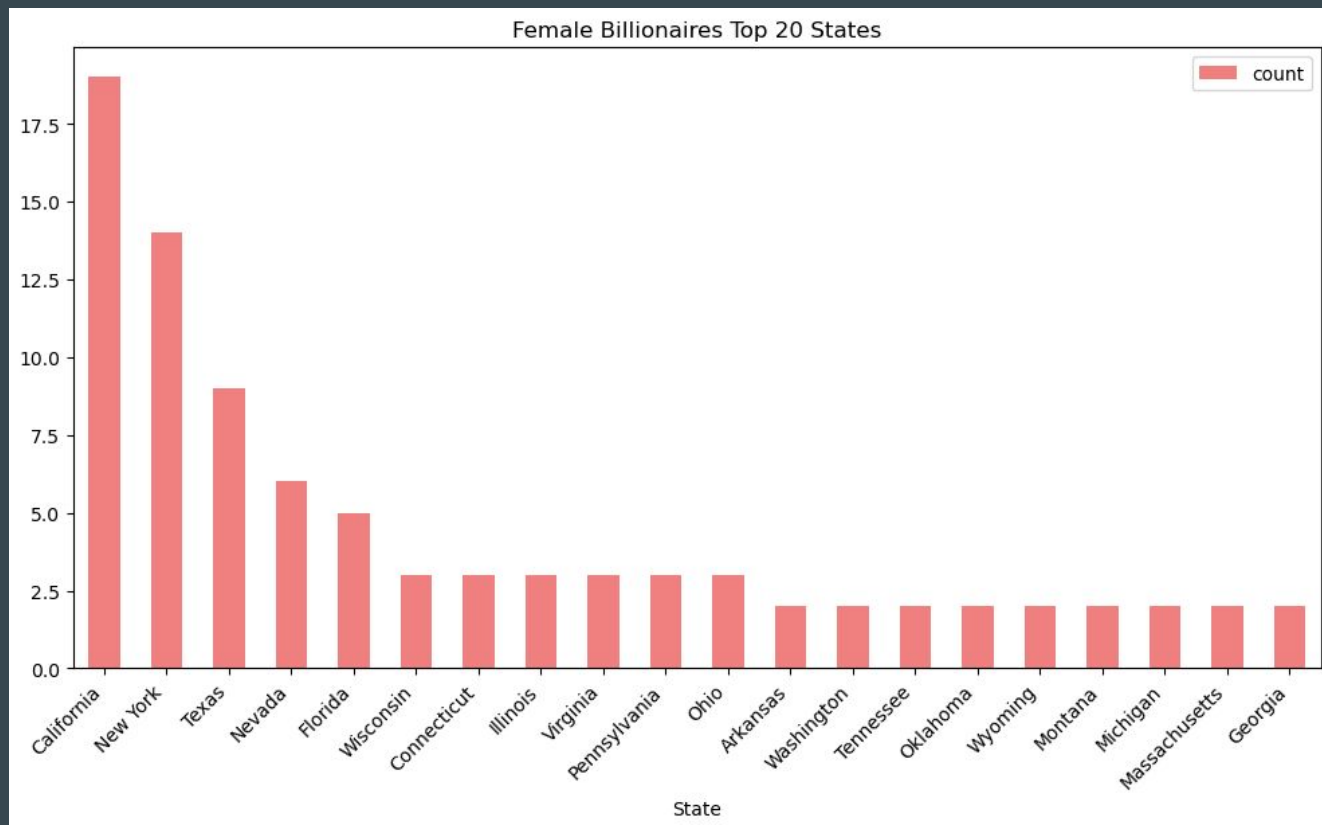




# Male vs Female

## Question:

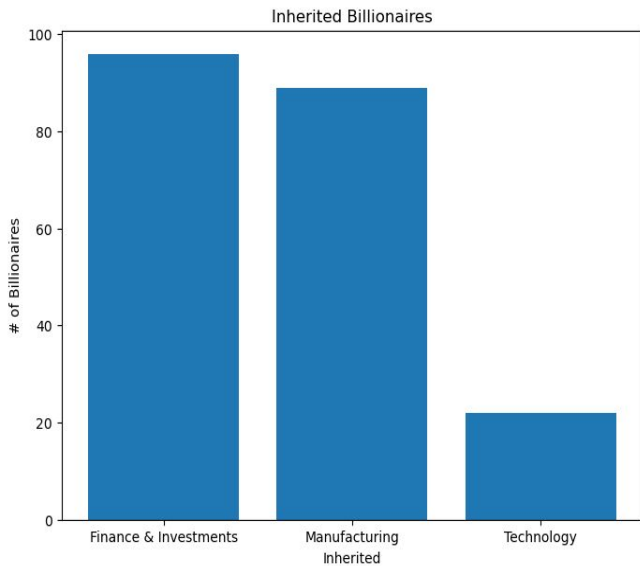
Top 20 states of residency in the United States by gender.



# Self Made vs Inherited

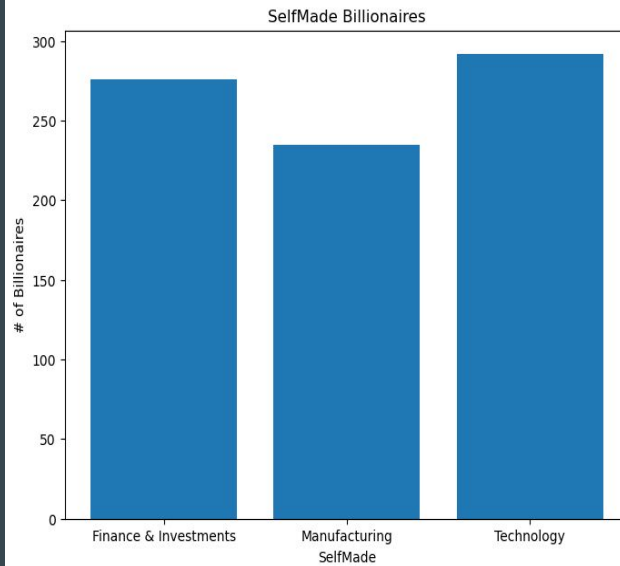
# Which industry is producing the most billionaires across the globe?

1. Finance & Investments
2. Manufacturing
3. Technology



## Self made vs. inherited

- Finance & Investments  
**Inherited:** 96      **Self made:** 276
- Manufacturing  
**Inherited:** 89      **Self made:** 235
- Technology  
**Inherited:** 22      **Self made:** 292

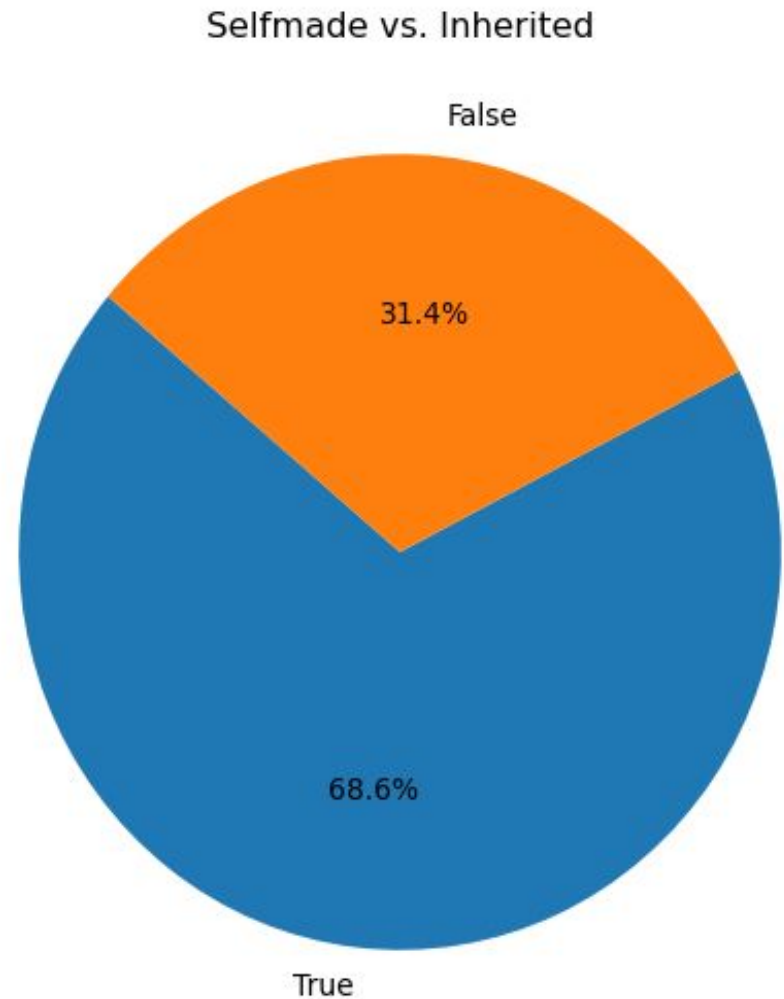


# # of Billionaires who were self-made vs. Inherited wealth:

Based on the data set True= self made and False= inherited.

 **Self made: 1812**

 **Inherited: 828**

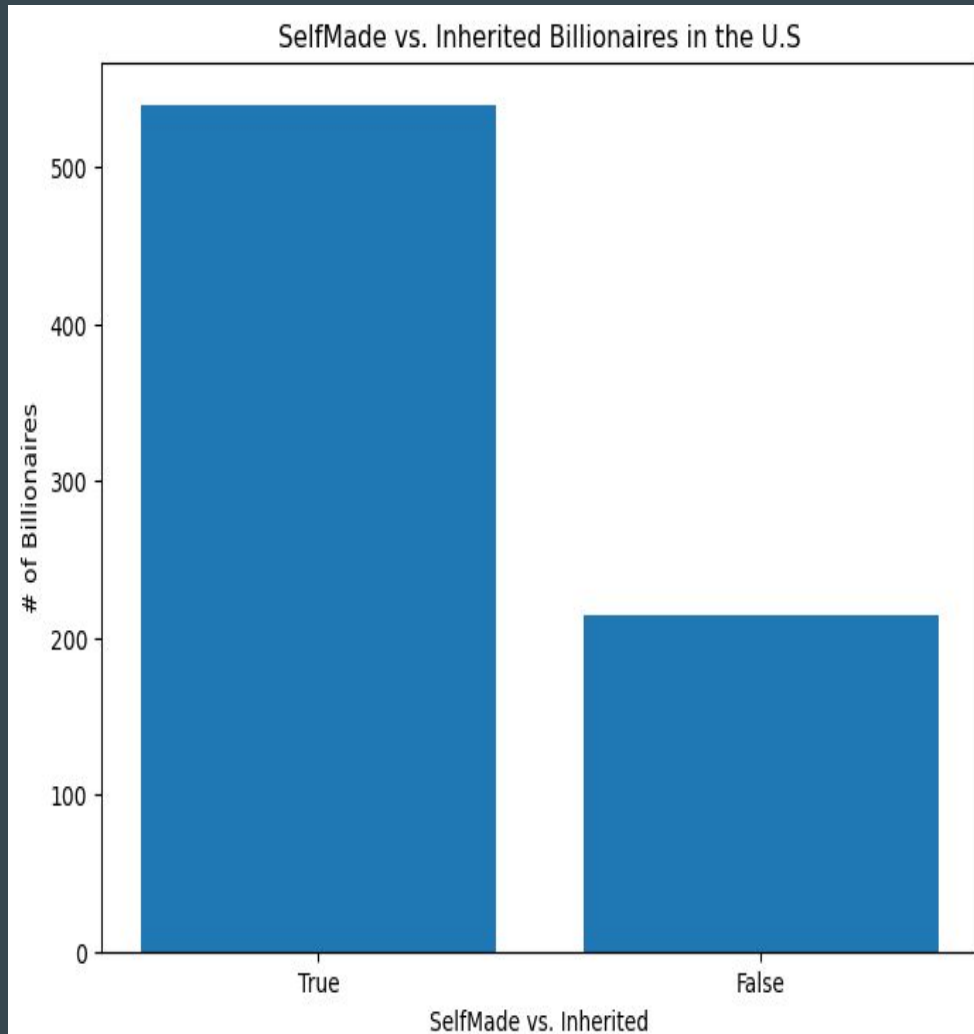


# Self-made vs. Inherited in the U.S

The United States is the  
Country with the most  
billionaires.

Self-made: 540

Inherited: 214



# Billionaires by Country

# By Country

## Question:

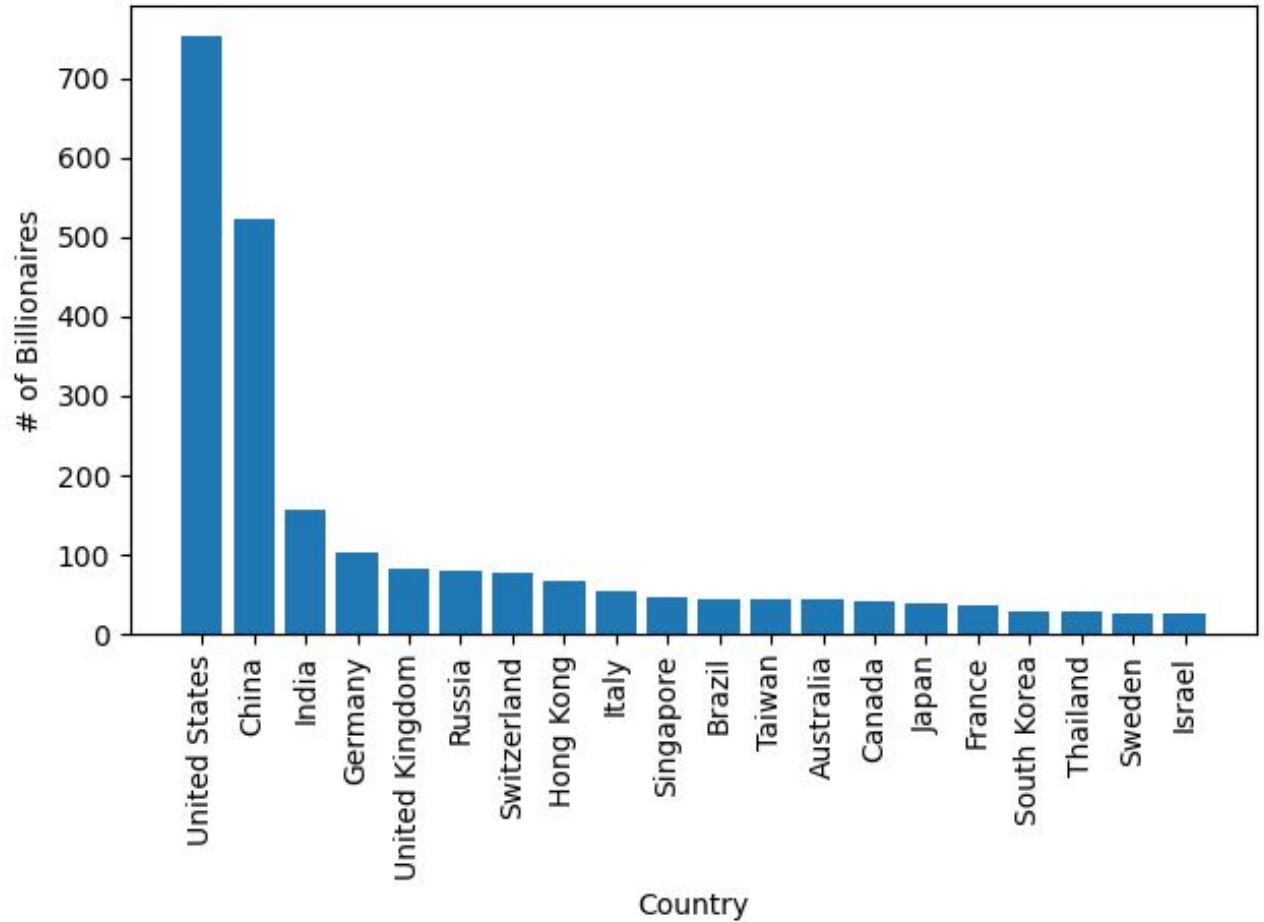
Which countries are producing the most billionaires?

Top 3 by volume:

United States(754)

China(523)

India(157)



# By Country

## Question:

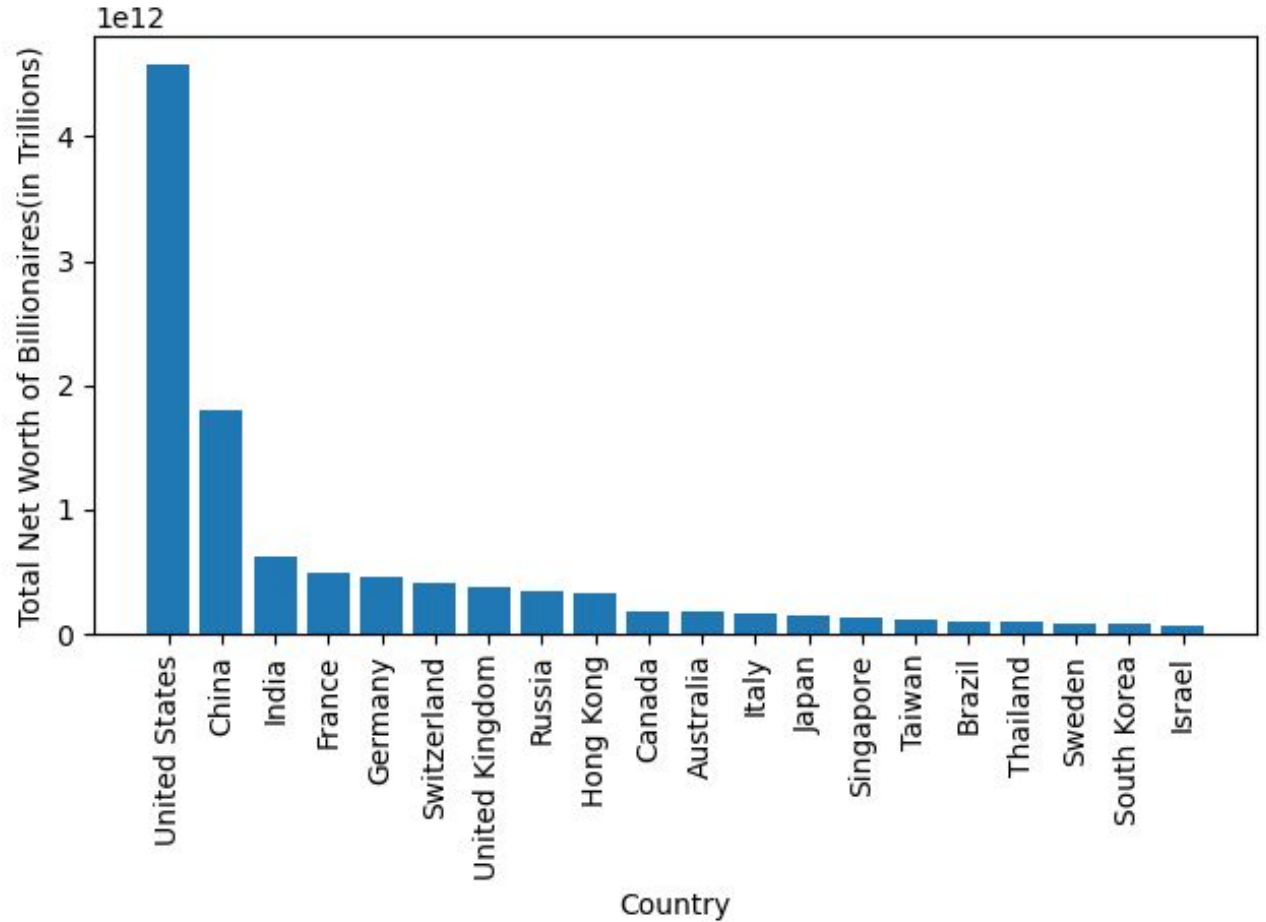
Which countries have the highest total net worth among billionaires?

Top 3 by net worth:

United States(4.5 trillion)

China(1.8 trillion)

India(628 billion)





# By Country

## Question:

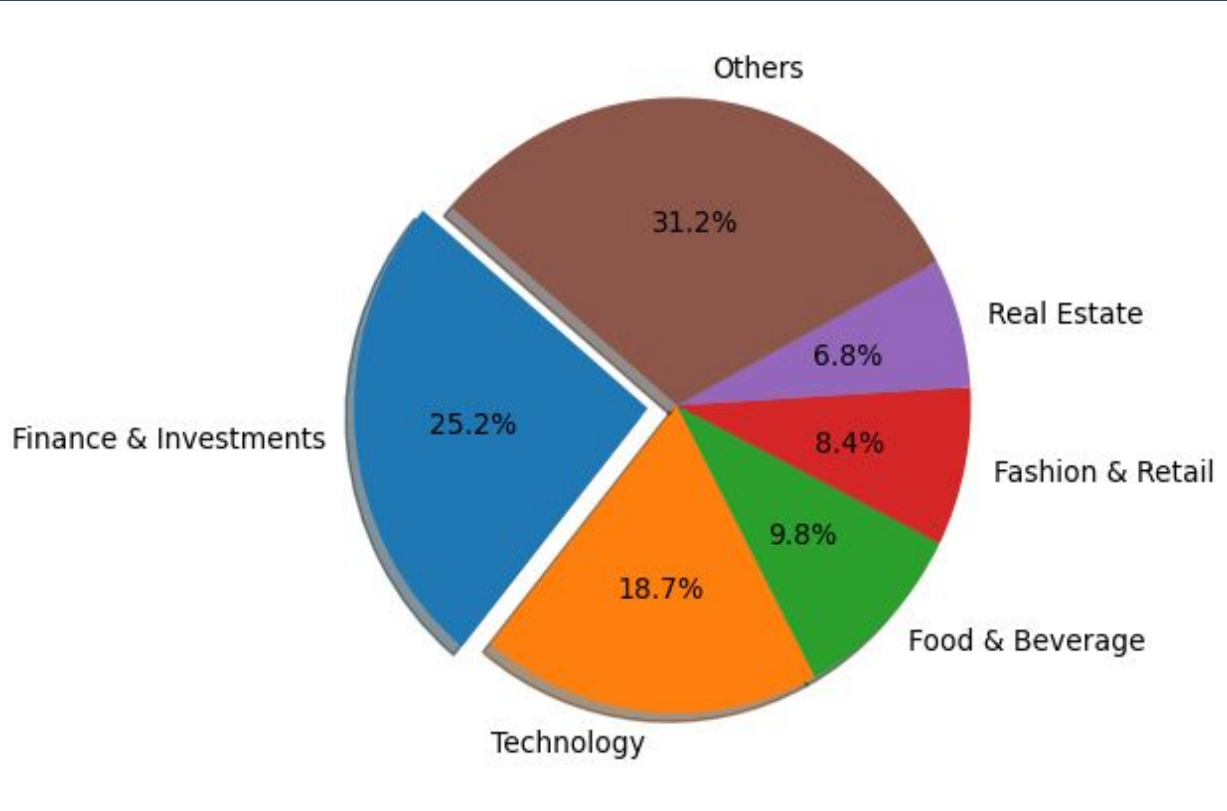
Within the top country for output(United States), which industries produce the most wealth?

Top 3 industries:

Finance & Investments(190)

Technology(141)

Food & Beverage(74)



# By Country

## Question:

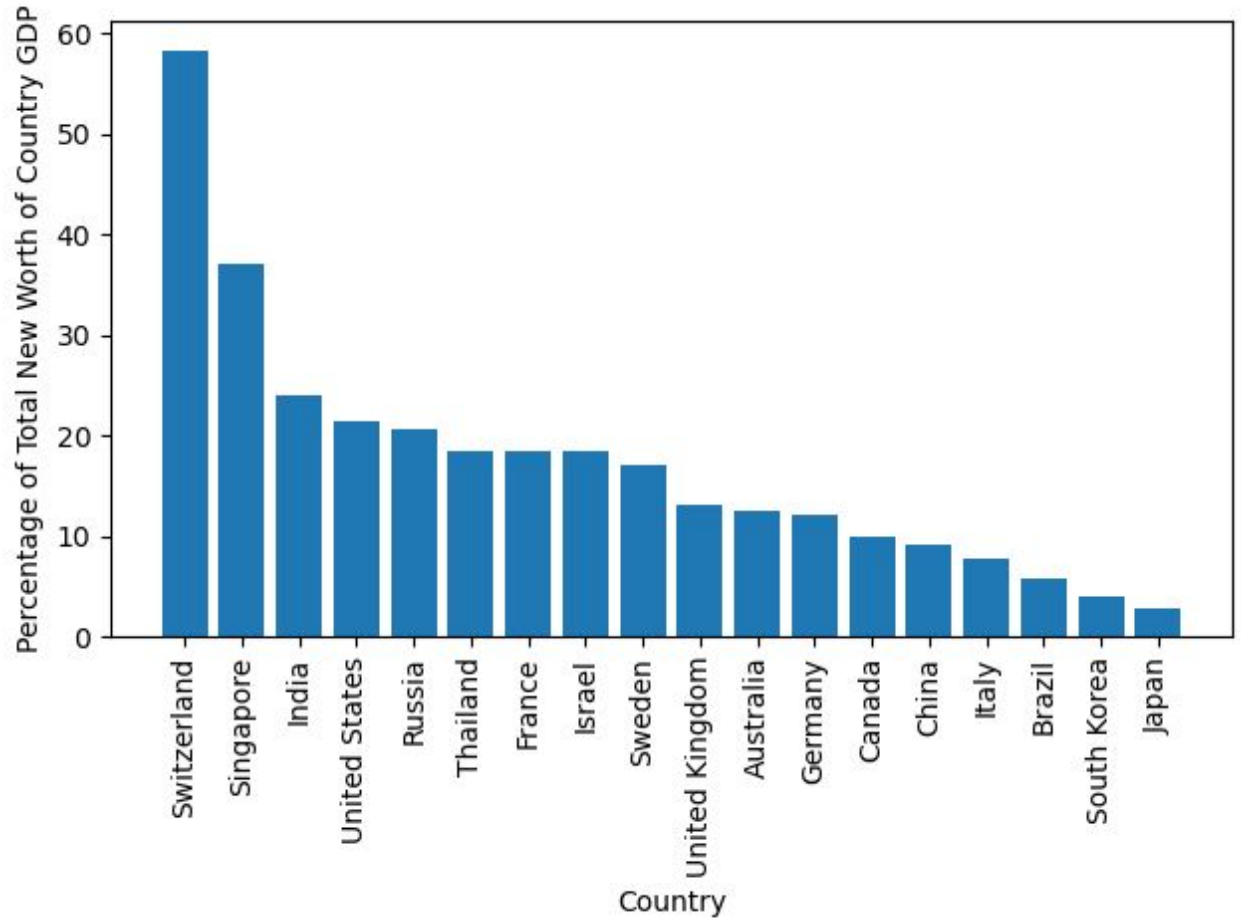
Which countries have the largest ratio of billionaire wealth to GDP?

Top 3 countries for billionaire wealth to GDP:

Switzerland(58.3%)

Singapore(37.1%)

India(24.1%)

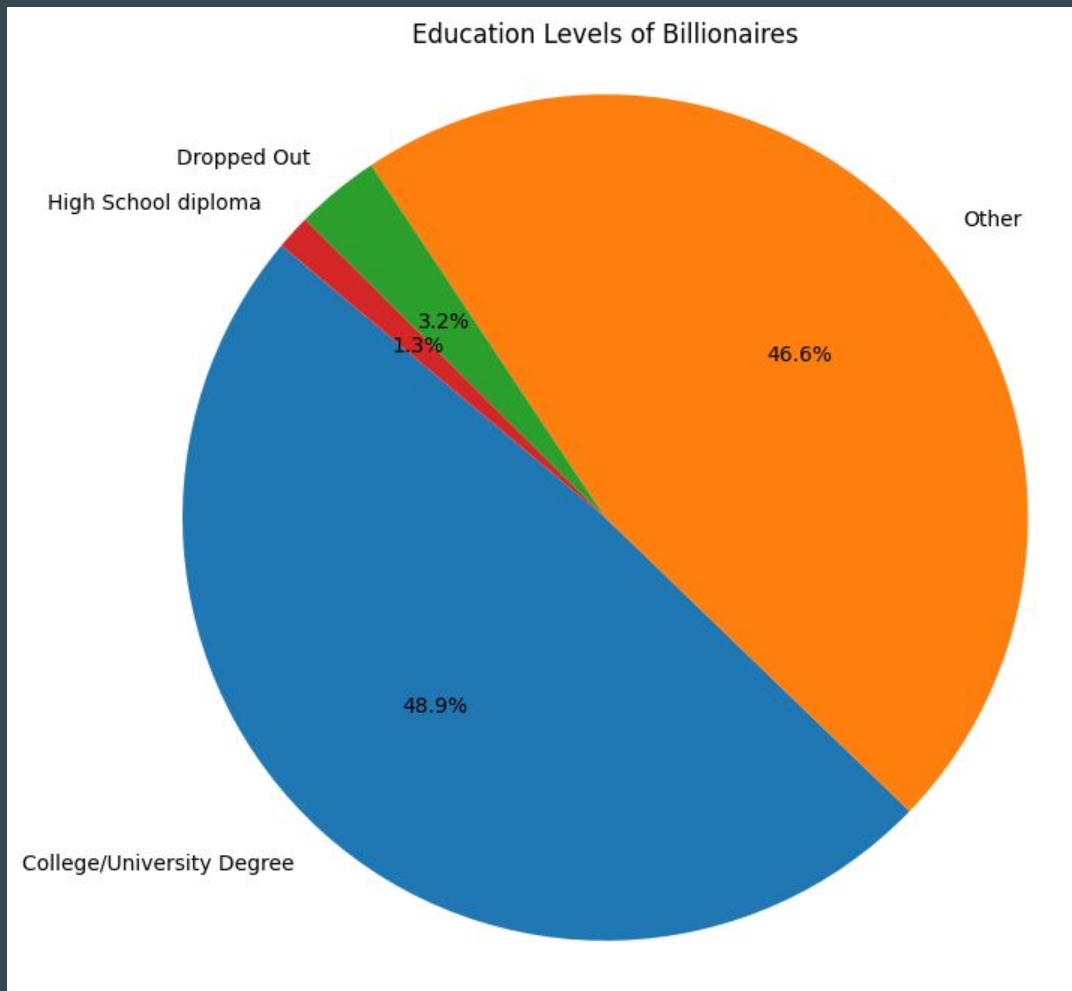


# Education Impact

# Global Education Levels of Billionaires

Question: What are the ratios of the education levels of billionaires across the globe?

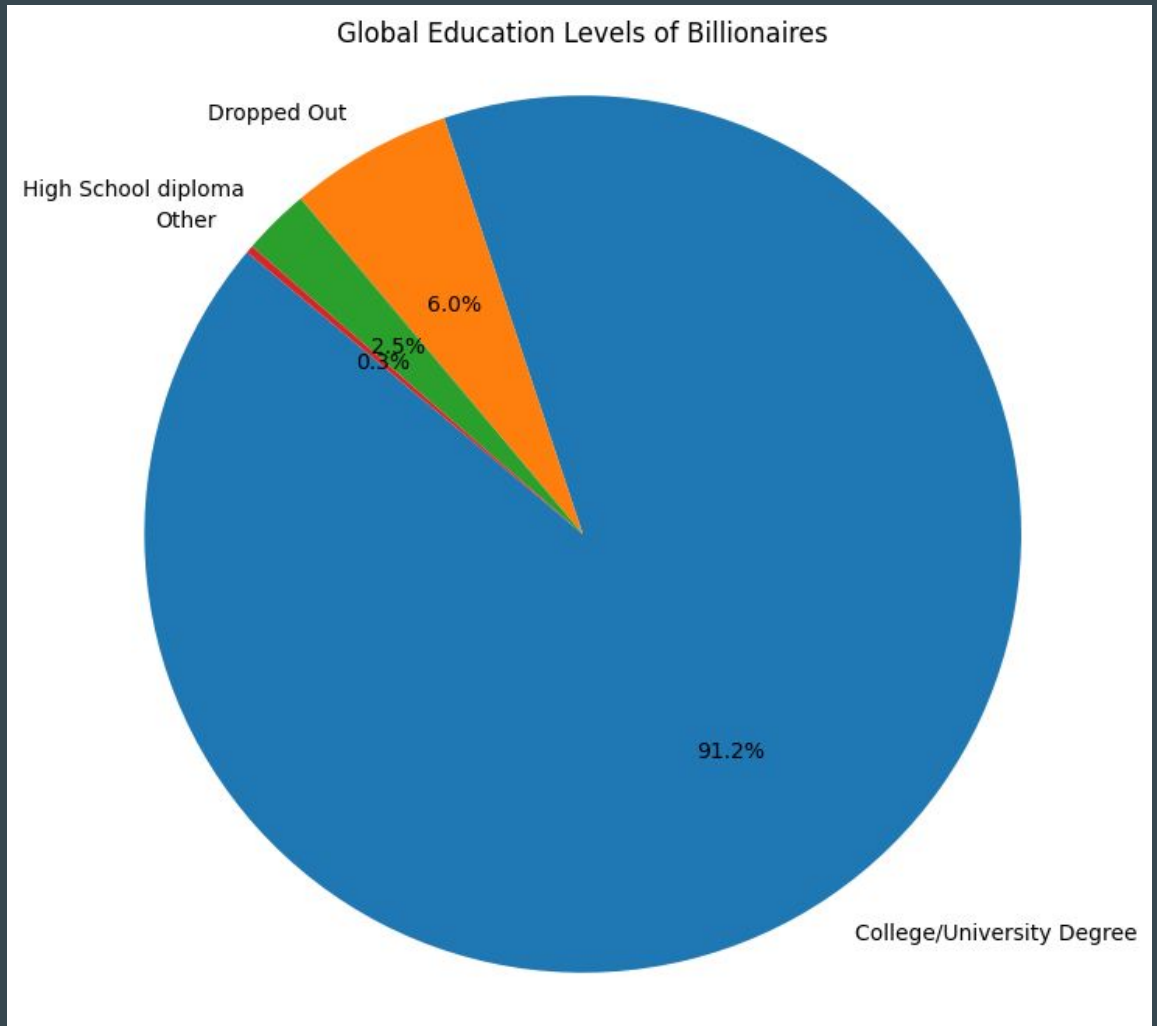
\* before dropping null values



# Global Education Levels of Billionaires

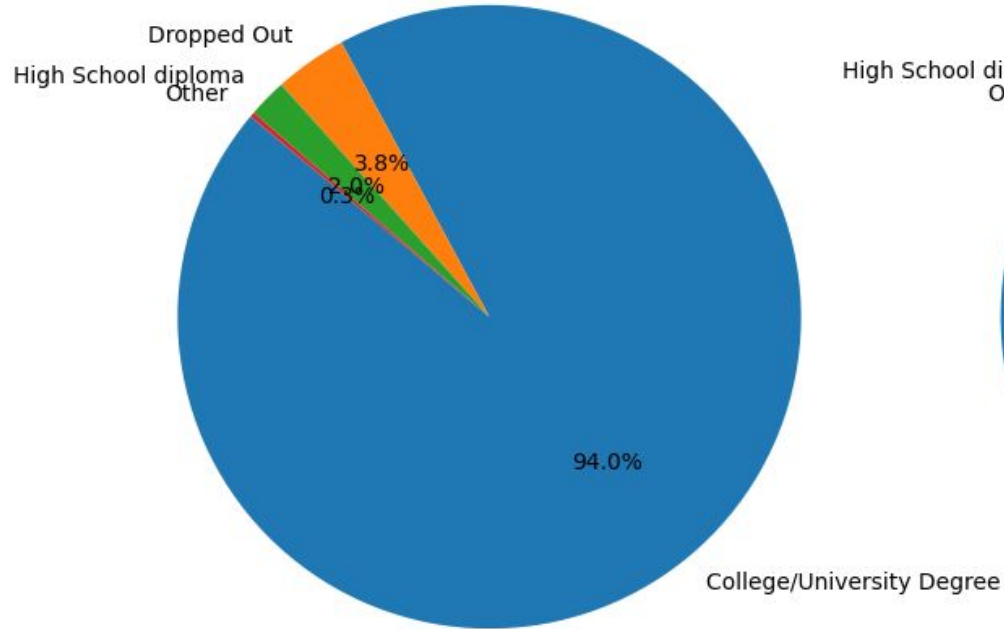
Question: What are the ratios of the education levels of billionaires across the globe?

\* after dropping null values

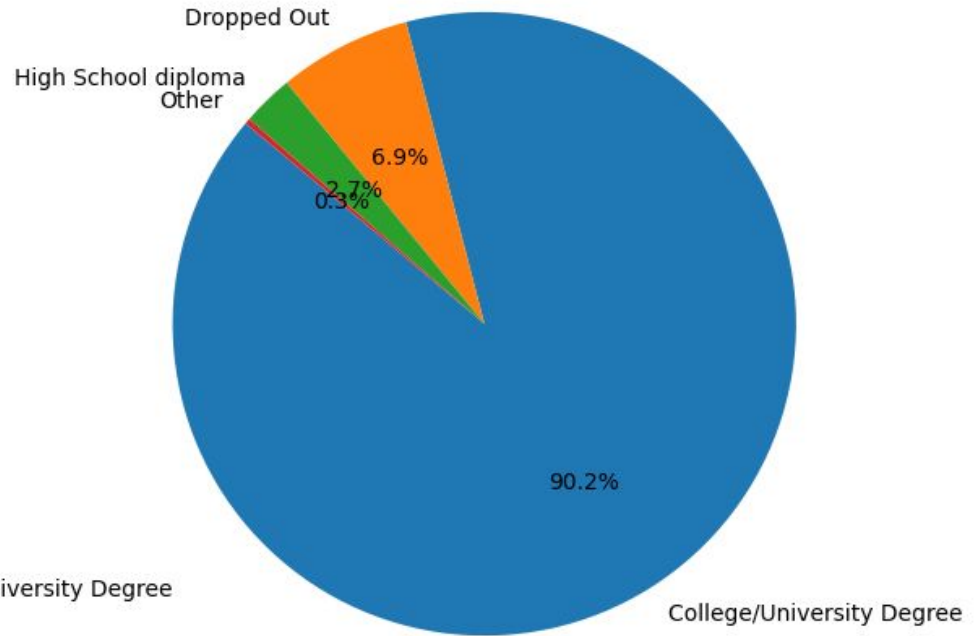


# Global Education Levels of Billionaires Grouped by Self Made status

Education Levels of Billionaires (Self Made: False)

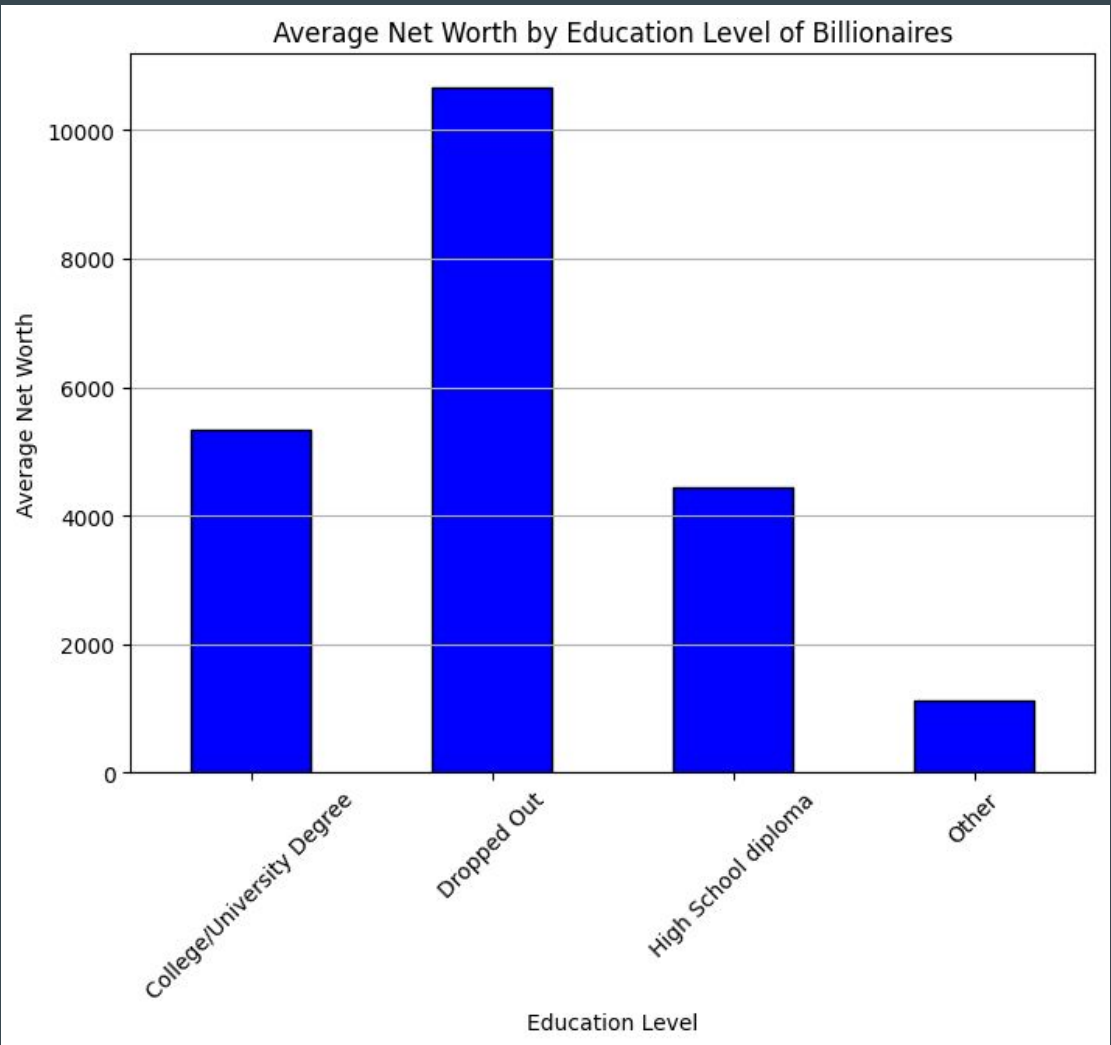


Education Levels of Billionaires (Self Made: True)

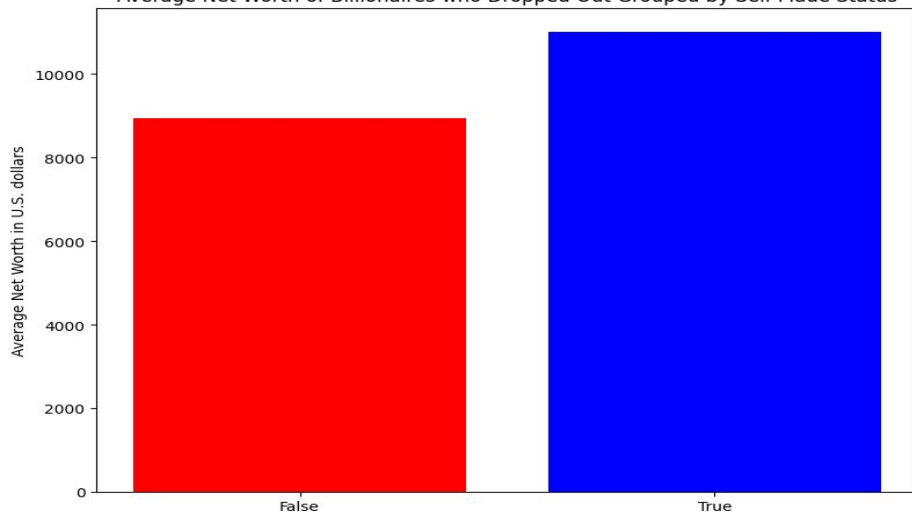


# Average Net Worth by Education

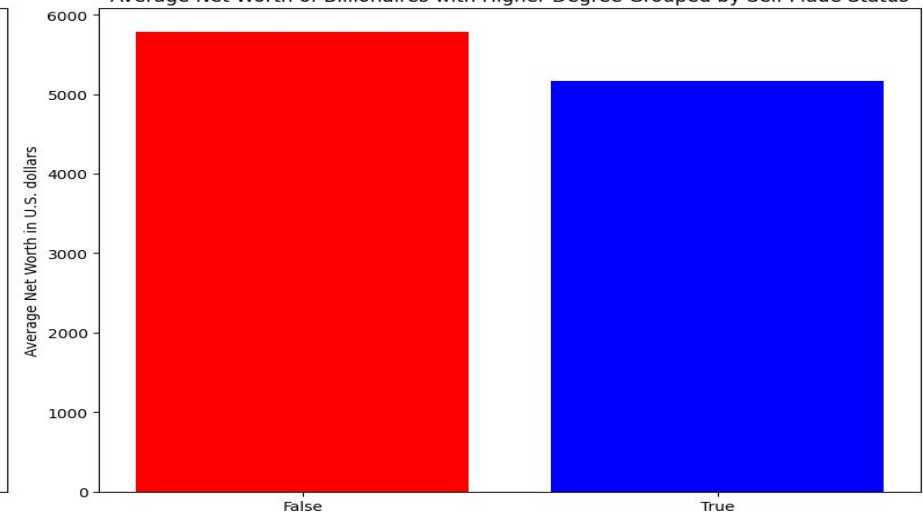
Question: How do the differences in education amongst the billionaires affect their net worth?



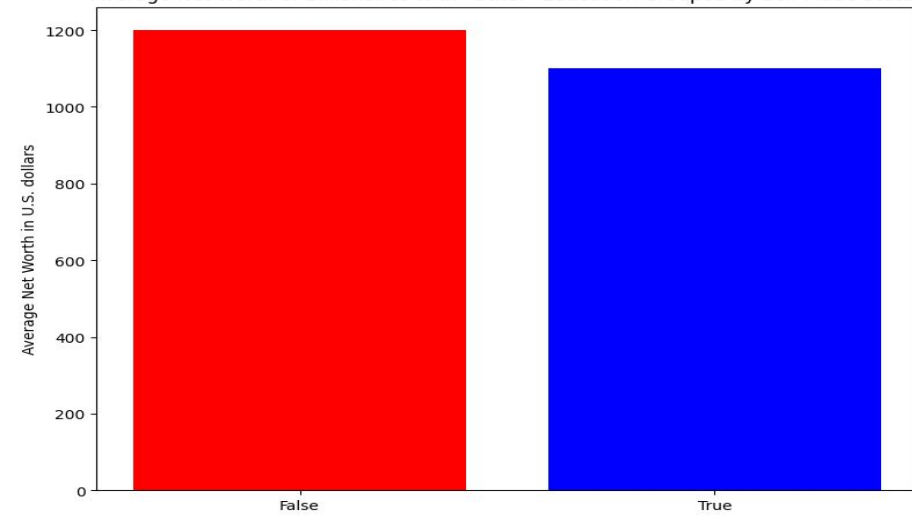
Average Net Worth of Billionaires who Dropped Out Grouped by Self Made Status



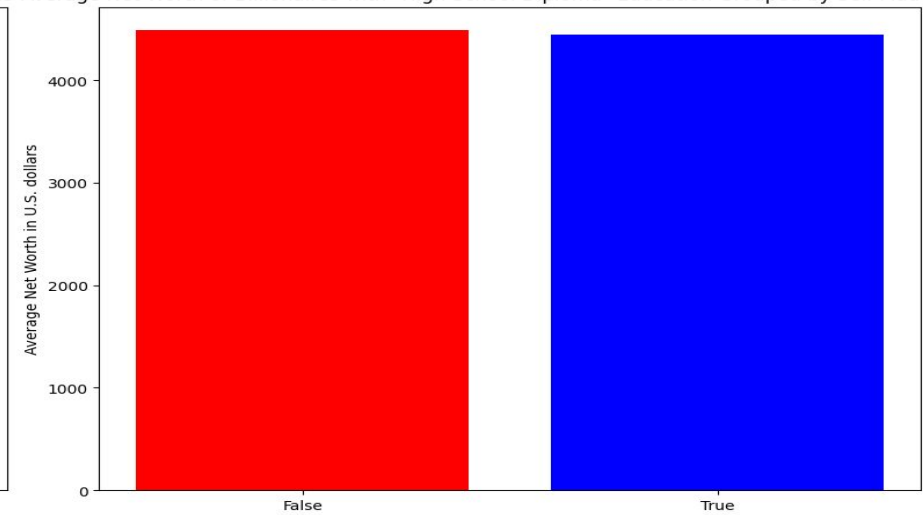
Average Net Worth of Billionaires with Higher Degree Grouped by Self Made Status



Average Net Worth of Billionaires with "Other" Education Grouped by Self Made Status



Average Net Worth of Billionaires with "High School Diploma" Education Grouped by Self Made Status





# Question: How does the source of the billionaires' income affect their educational level?

- Though it may seem as though there is no noticeable change at first glance, the percentage of billionaires who dropped out shift toward higher education when we switch to looking at the not self made group, by about 3-4% globally.
- Nepotism may lead to higher enrollment numbers amongst billionaires globally in higher educational institutions.
- Additional research in this area could help prevent application bias and promote equal opportunity for students in the future.
- The drop out category of billionaires is the only category in which average net worth increases in self made

**Thank you!**