

# BILLIONAIRE DATA VISUALIZATION – 2

## ABSTRACT

Information on the net worth, source of wealth, industry, and geographic location of over 2,000 billionaires worldwide, as of 2014. The data was collected by Forbes and includes both self-made and inherited billionaires, as well as those who made their fortune through a combination of both. The goal is to create a dashboard and a story along with visual interpretation using Tableau

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## AIM

The "Billionaire detailed.csv" dataset contains information on the net worth, source of wealth, industry, and geographic location of over 2,000 billionaires worldwide, as of 2014. The data was collected by Forbes and includes both self-made and inherited billionaires, as well as those who made their fortune through a combination of both.

Consider that you are a Lead Data Analyst and you are provided with a billionaire detailed dataset. You have been given a task to explore the data, create different plots and interpret useful insights/findings. Your end goal here will be to create a few dashboards and a story that you have to present to the respective team, make sure they follow a logical flow to display that you are heading towards achieving the end objective. Make sure to have minimum clutter in the plots, follow a consistent color scheme across all the plots, and use proper colors to highlight a specific insight. Moreover, your plots should be interactive and responsive.

CREATE A CALCULATED FIELD ON TOTAL NET WEALTH TO REMOVE THE SPECIAL CHARACTERS IN THE DATA. NAME THE CALCULATED FIELD AS NET WEALTH.

The following calculated field is created for NetWealth

The screenshot displays the Tableau interface. On the left, the 'Folders' pane lists various fields, with 'NetWealth' highlighted in green. A red arrow points to this field. In the center, a dialog box titled 'NetWealth' is open, showing the formula: `Float (REGEXP REPLACE ([Net Worth], '[$\B\ ]', ''))`. Below the formula, a status bar indicates 'The calculation is valid.' and '7 Dependencies'. At the bottom right of the dialog are 'Apply' and 'OK' buttons. In the top right corner of the main interface, a 'Grand Total' is shown as '\$ 13,084 B'. Above the dialog box, 'Country' and 'Industry' are listed as dimensions.

USING A WORD CLOUD, FIND THE INDUSTRY SOURCES WHICH HAVE THE HIGHEST NUMBER OF BILLIONAIRES

The following Word Cloud is created in Tableau for capturing Industry sources which are predominant among the Billionaires



USING A BAR CHART, FIND THE TOP N BILLIONAIRES. USE A PARAMETER TO CUSTOMIZE THE INPUT

TopNBillionaires parameter is created to achieve this task and a bar chart is created accordingly:

**Edit Parameter [TopNBillionaires]**

**Name**  
TopNBillionaires

**Properties**  
Data type: Integer  
Display format: 10

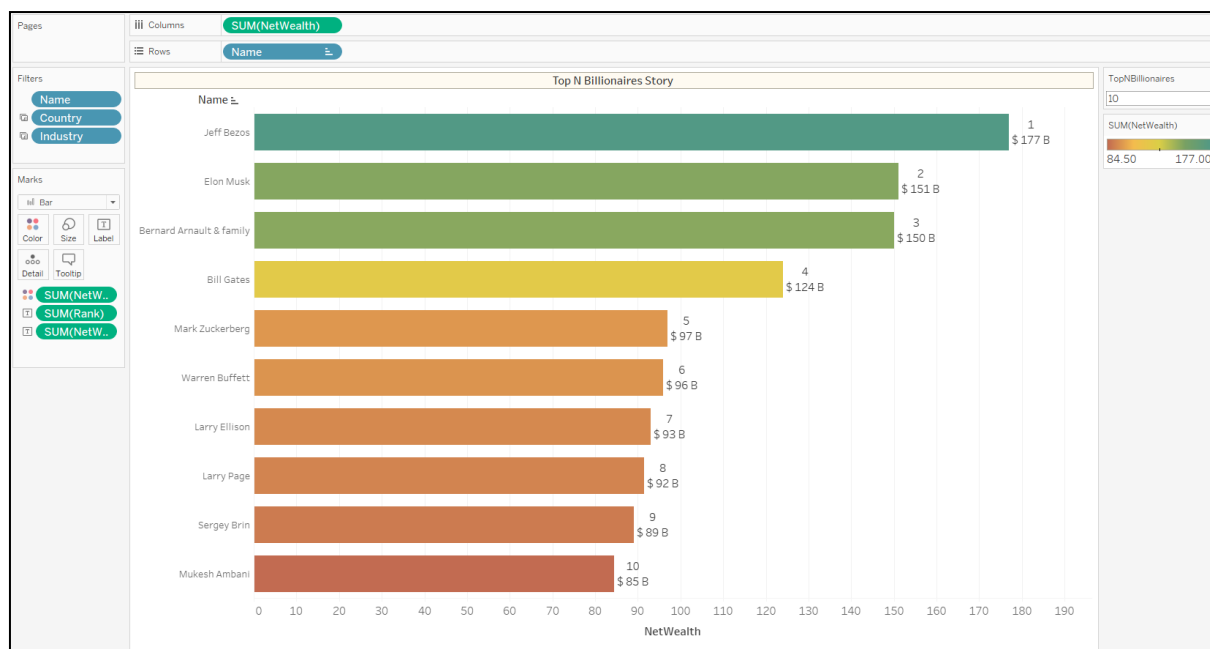
Current value: 10  
Value when workbook opens: Current value

**Allowable values**  
☐ All ☐ List ☒ Range

**Range of values**  
☒ Minimum: 1  
☒ Maximum: 2,674  
☐ Step size: 1

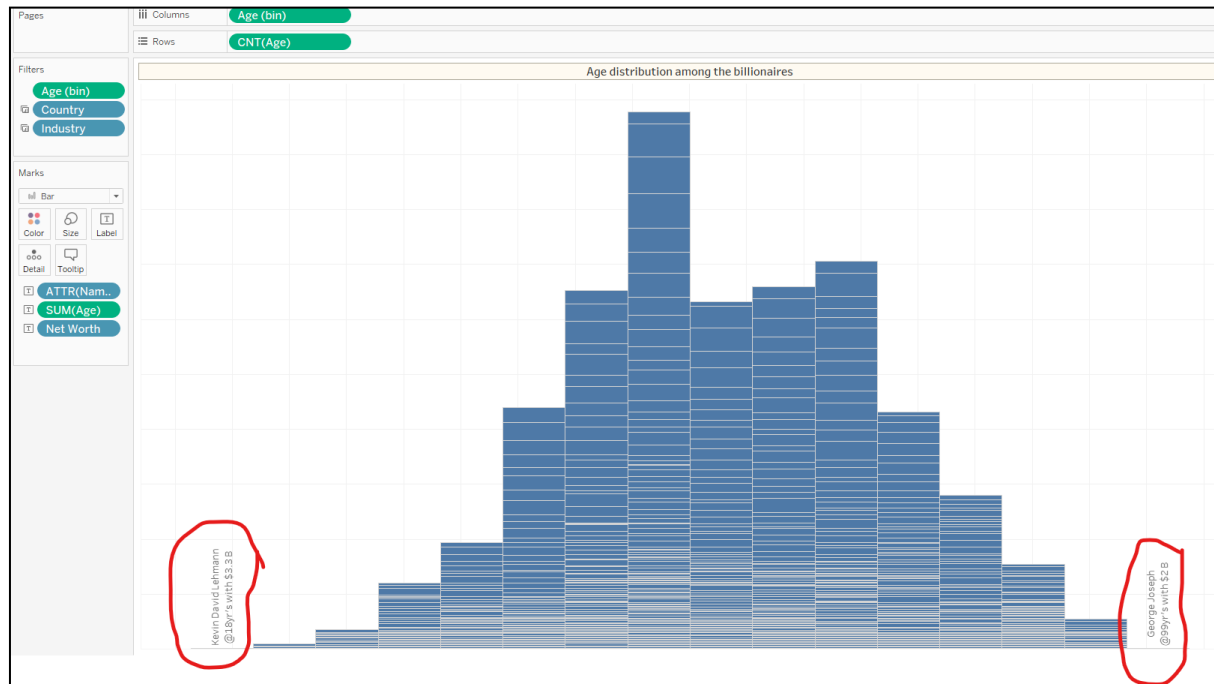
☐ Fixed  
☒ When workbook opens  
Rank (Billionaire+detailed)

**Parameters**  
TopNBillionaires



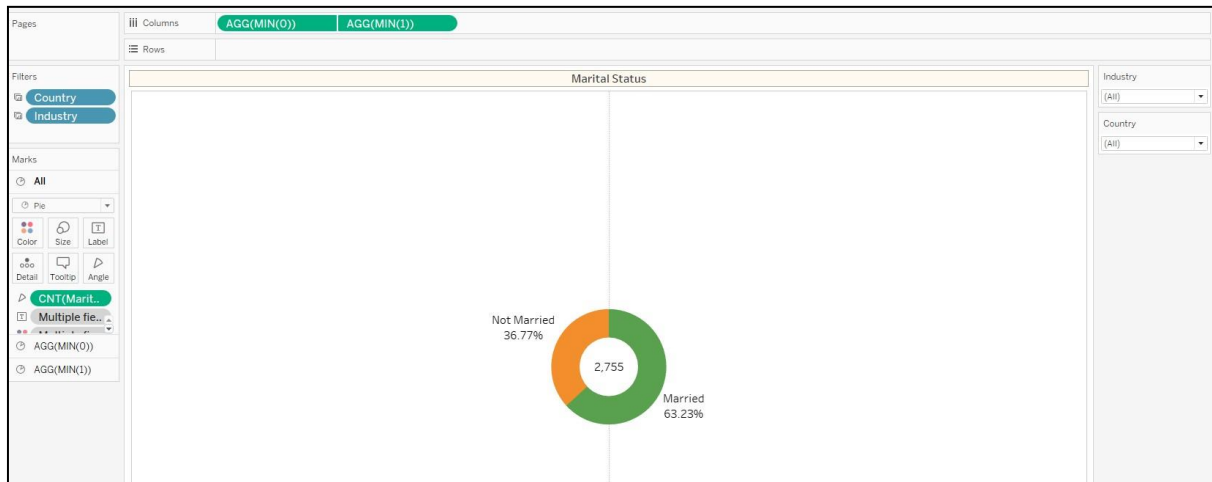
DISPLAY THE AGE DISTRIBUTION OF THE BILLIONAIRES. FIND THE YOUNGEST AND OLDEST BILLIONAIRE

A histogram is plotted for Age parameter to see the distribution captured the tails for the youngest and the oldest Billionaire's which happens to be Kevin David Lehmann at 18 years of age as the youngest and George Joseph as the oldest at 99 years of age.



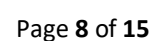
CREATE A CALCULATED FIELD TO DIFFERENTIATE THE MARITAL STATUS AS MARRIED OR NOT MARRIED. CREATE A DONUT CHART DISPLAY ON MARITAL STATUS. USE COUNTRY AND INDUSTRY FILTERS TO CUSTOMIZE THE VIEW

Created Donut chart using dual axis technique to capture the marital status of the billionaires along with the country and industry as the filters



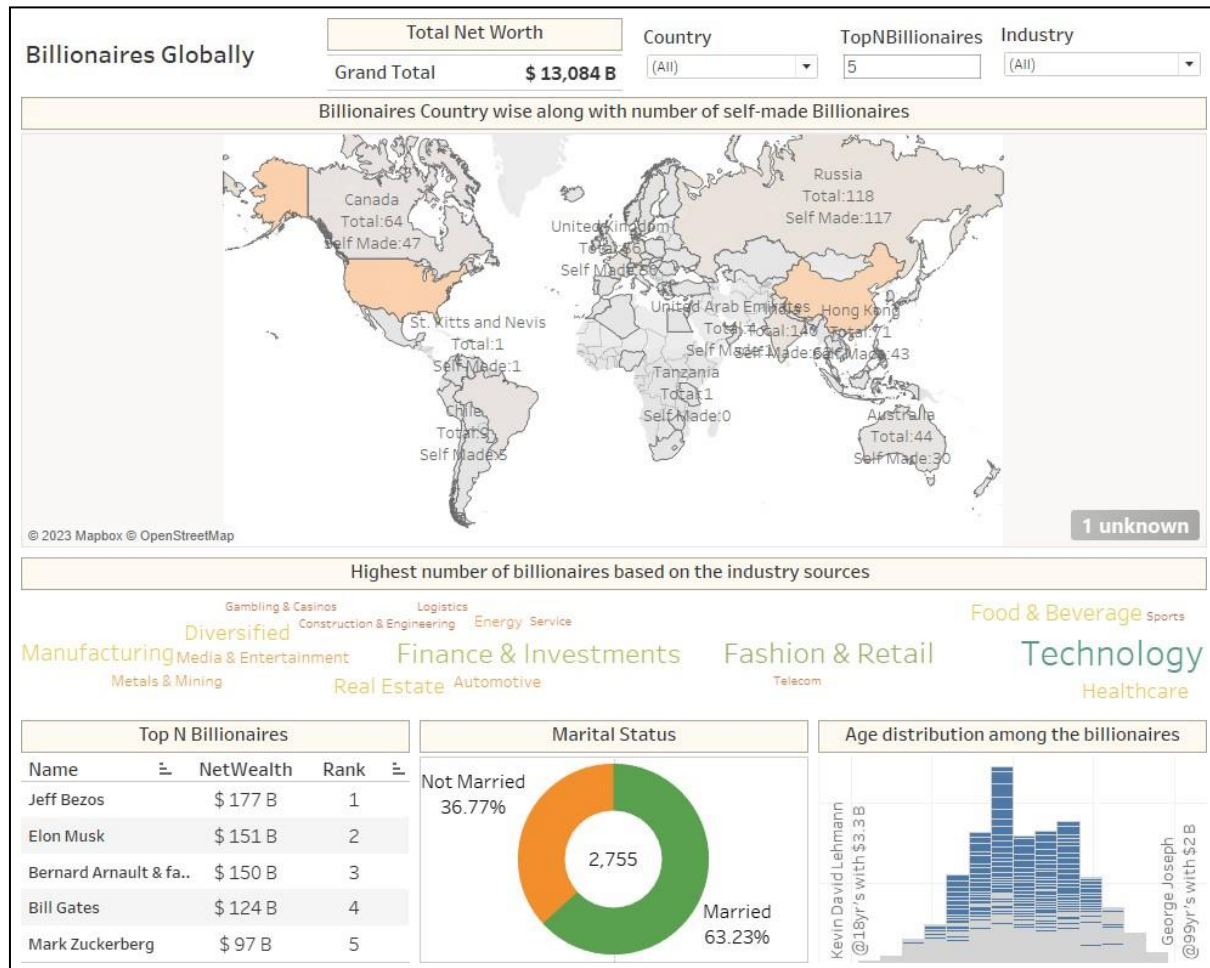


Created a Map chart for displaying the count of billionaire's country wise along with the self-made status



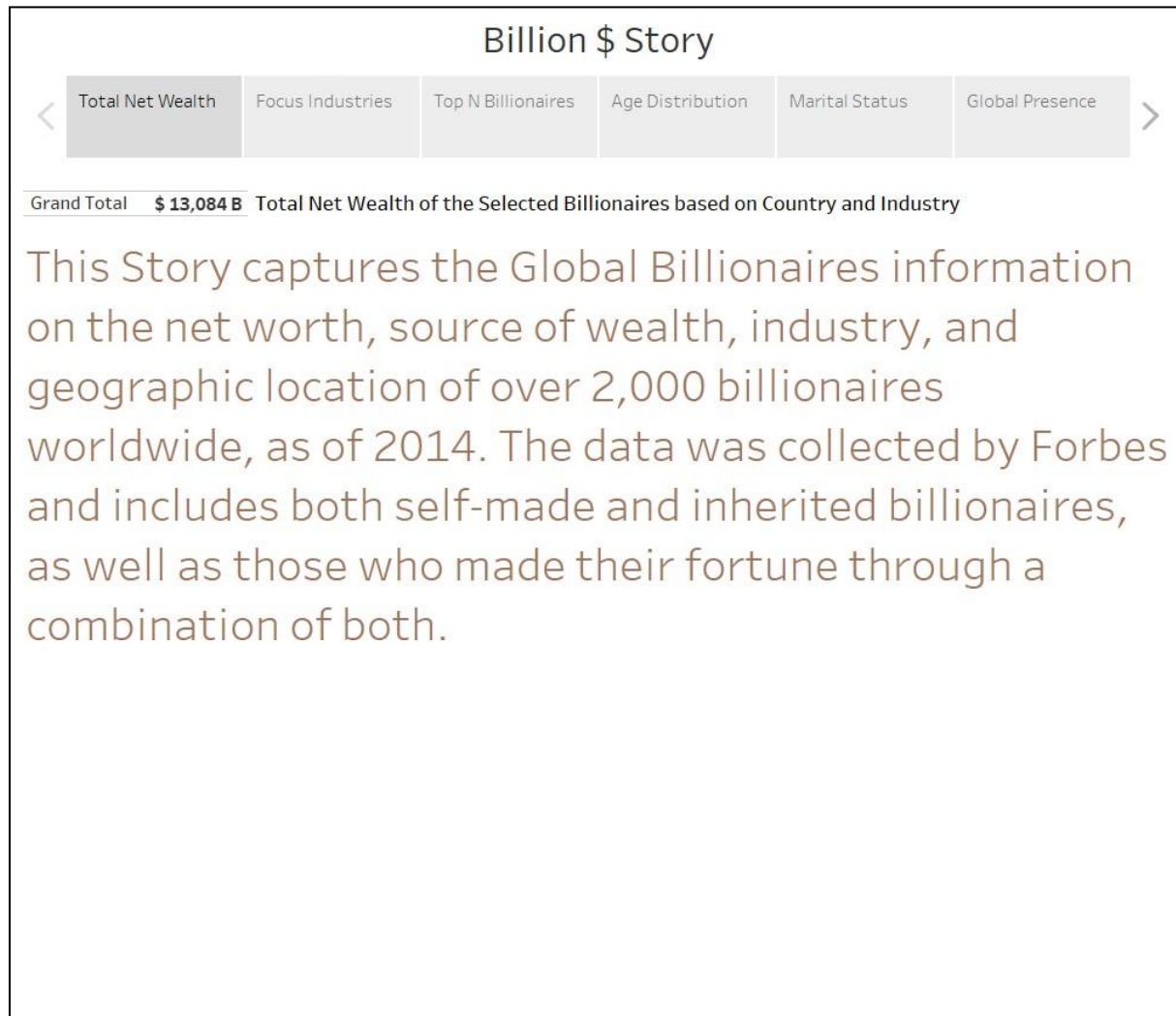
## DASHBOARD

The following dashboard is created to get some quick insight depending upon 3 filters Country, Top N Billionaire's and Industry



## THE BILLION \$ STORY

The following story was created as part of the exercise which is a gist of all the findings.



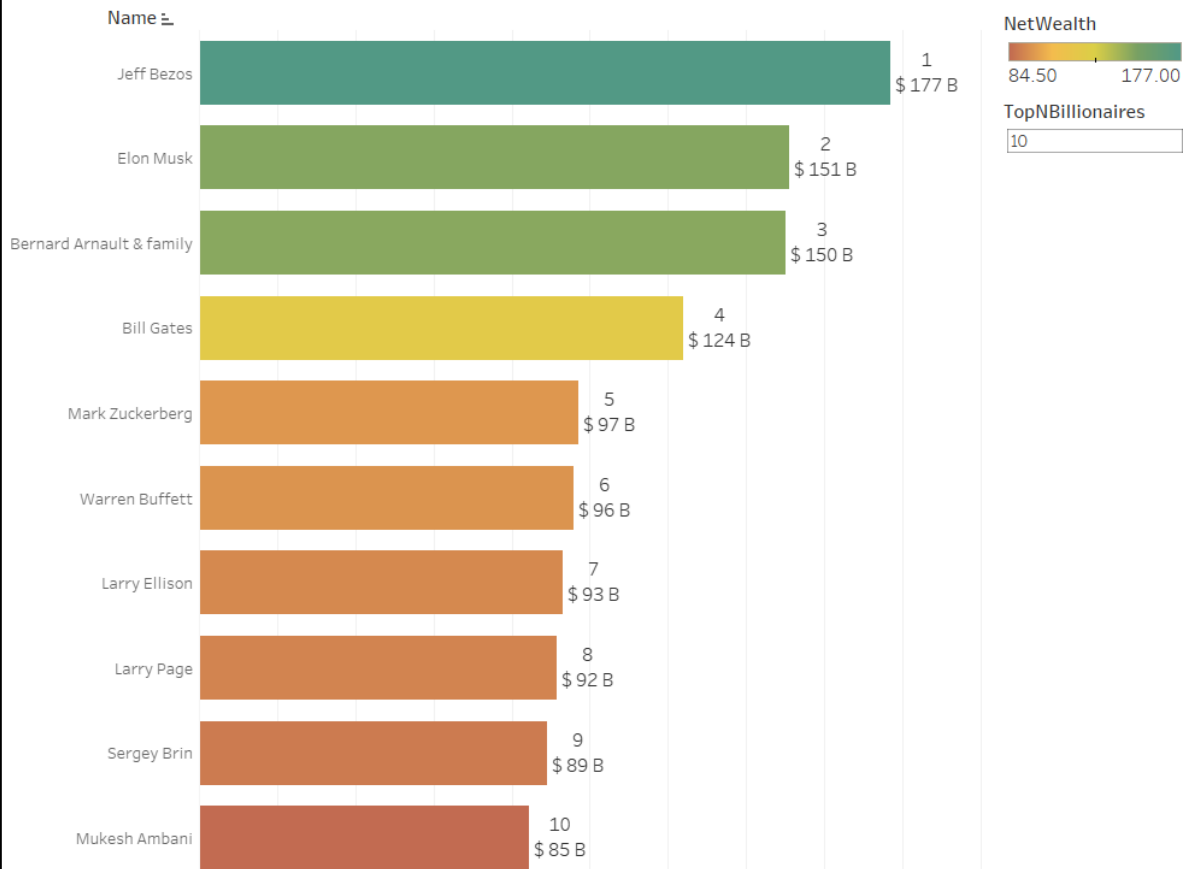
## Billion \$ Story

<	Total Net Wealth	Focus Industries	Top N Billionaires	Age Distribution	Marital Status	Global Presence	>
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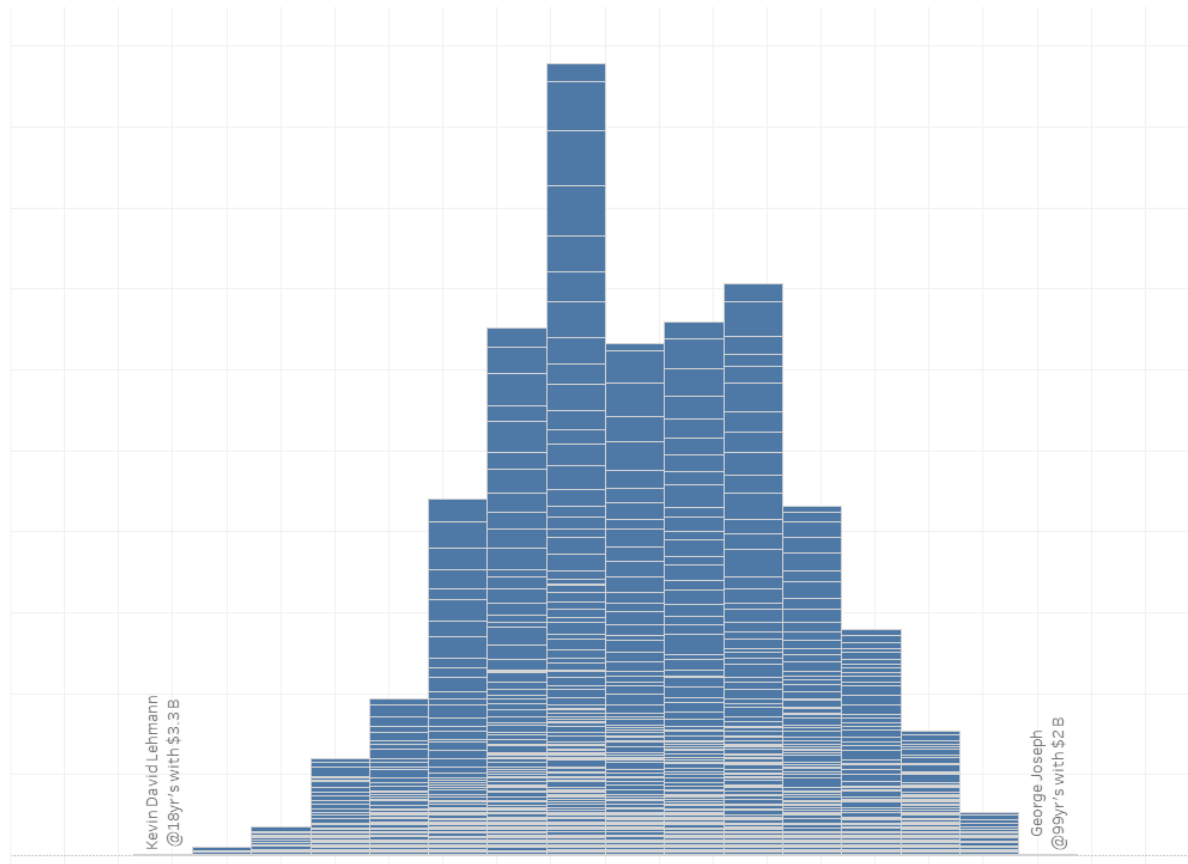
## Billion \$ Story

[Total Net Wealth](#)
[Focus Industries](#)
[Top N Billionaires](#)
[Age Distribution](#)
[Marital Status](#)
[Global Presence](#)



## Billion \$ Story

< Total Net Wealth Focus Industries Top N Billionaires **Age Distribution** Marital Status Global Presence >



# Billion \$ Story

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Total Net Wealth

Focus Industries

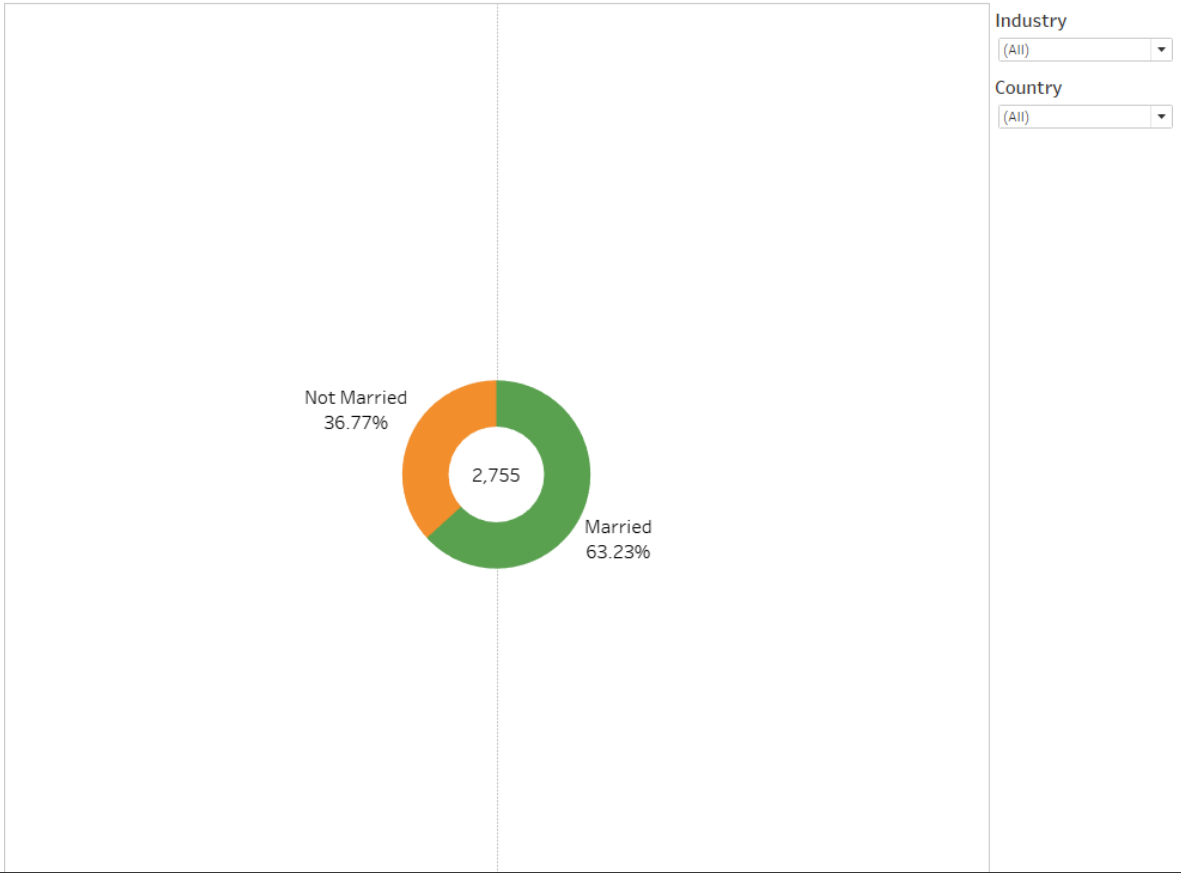
Top N Billionaires

Age Distribution

Marital Status

Global Presence

>



## Billion \$ Story

< Total Net Wealth Focus Industries Top N Billionaires Age Distribution Marital Status Global Presence >

