THE PATH TO PROSPERITY

A COMPREHENSIVE ANALYSIS OF FINANCIAL INDEPENDENCE BASED ON DATA TAKEN FROM REDDIT

To accomplish this project, we completed all the activities listed below,

Data collection

- **We Collected Dataset from REDDIT**

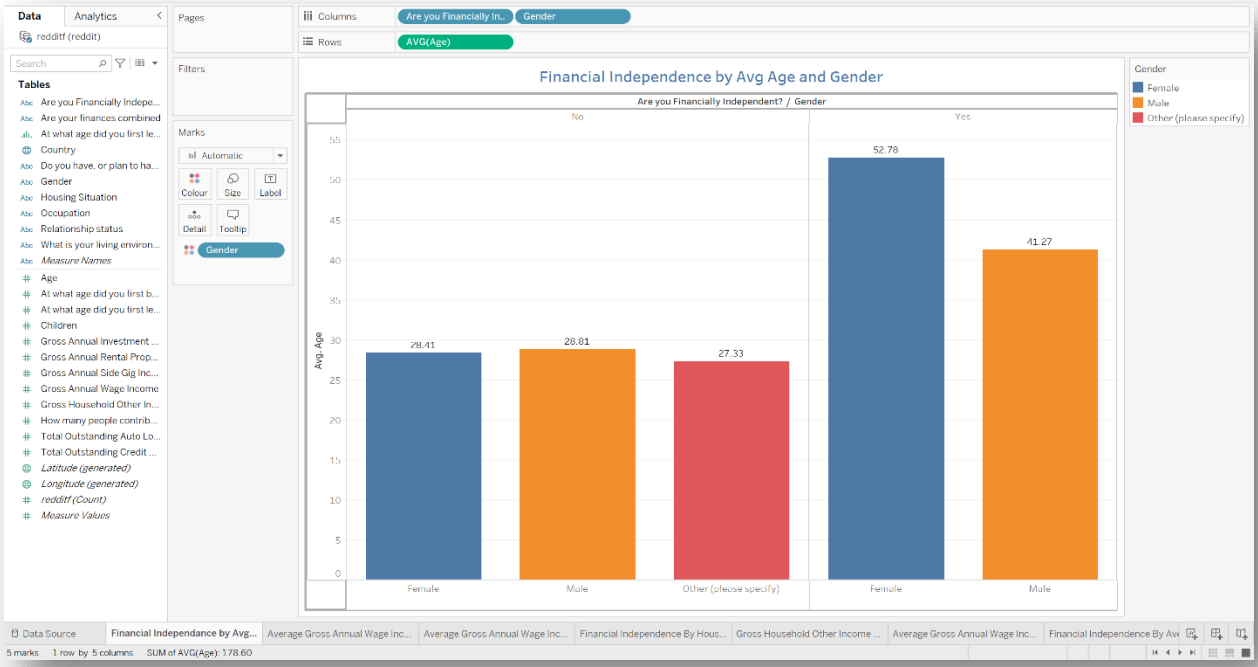
Database/Spread sheet Connection

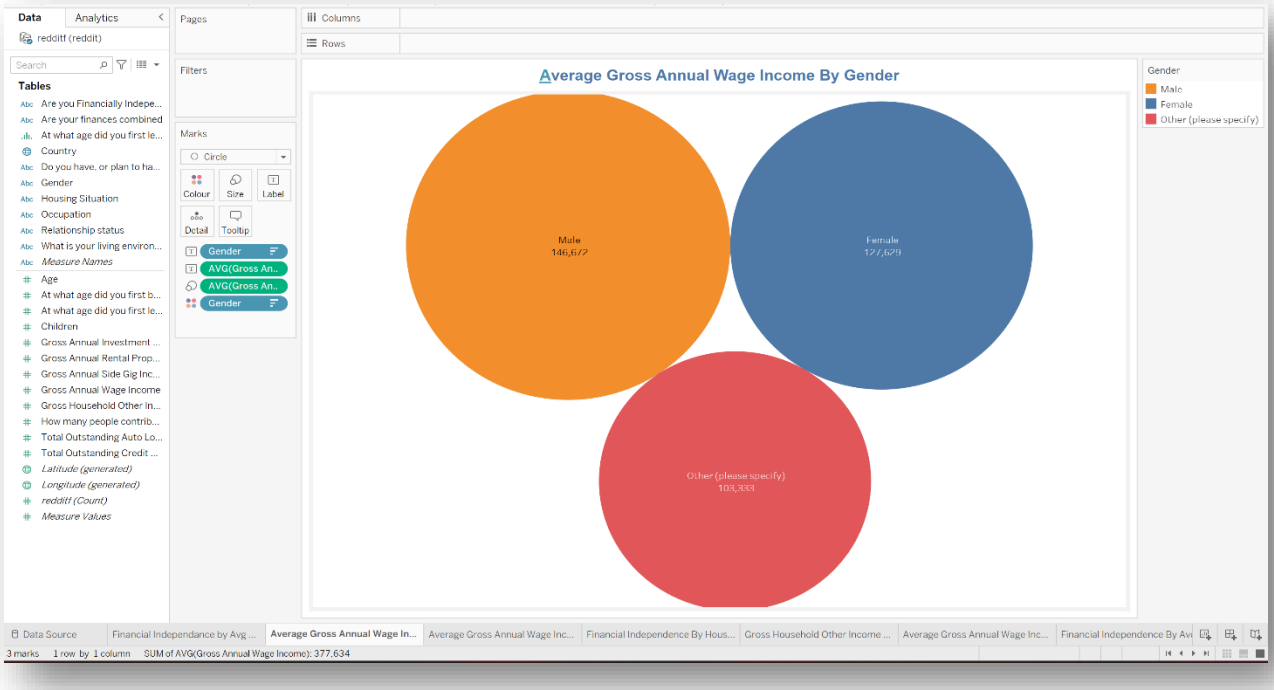
- **We stored collected dataset into the MySQL Workbench 8.0 CE**
- **We connected the tableau desktop with MySQL Workbench under connectors**

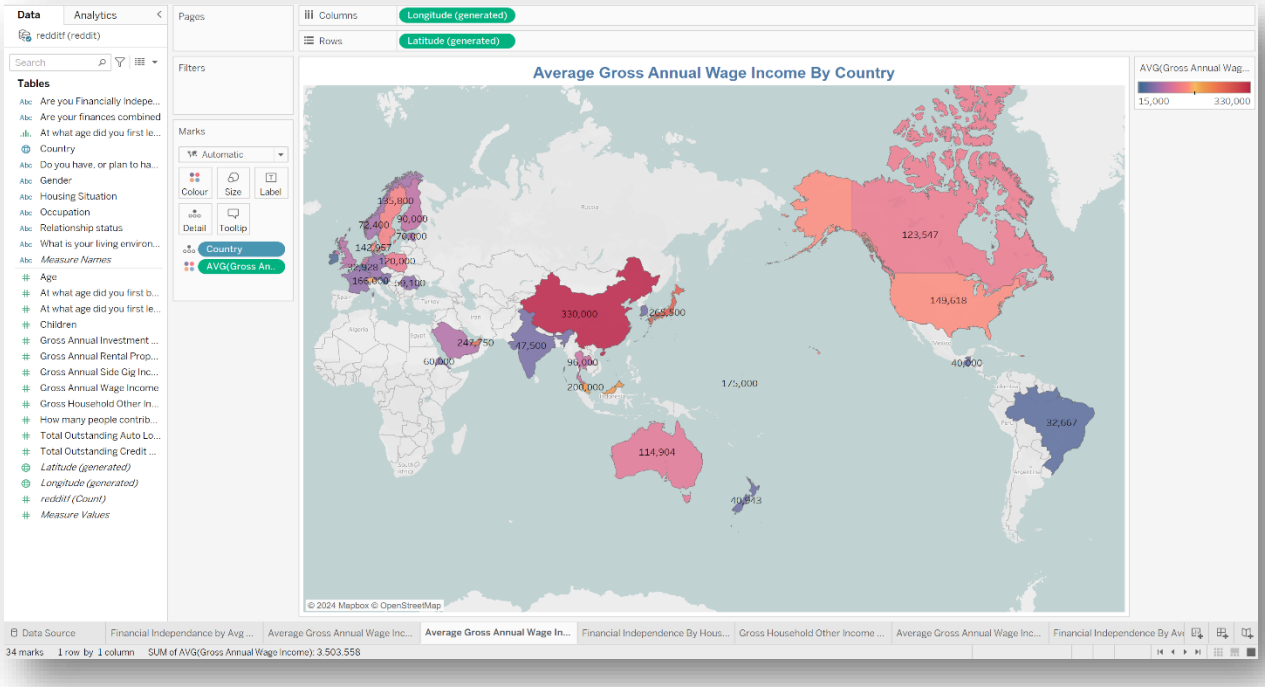
Visualizing and analysing data

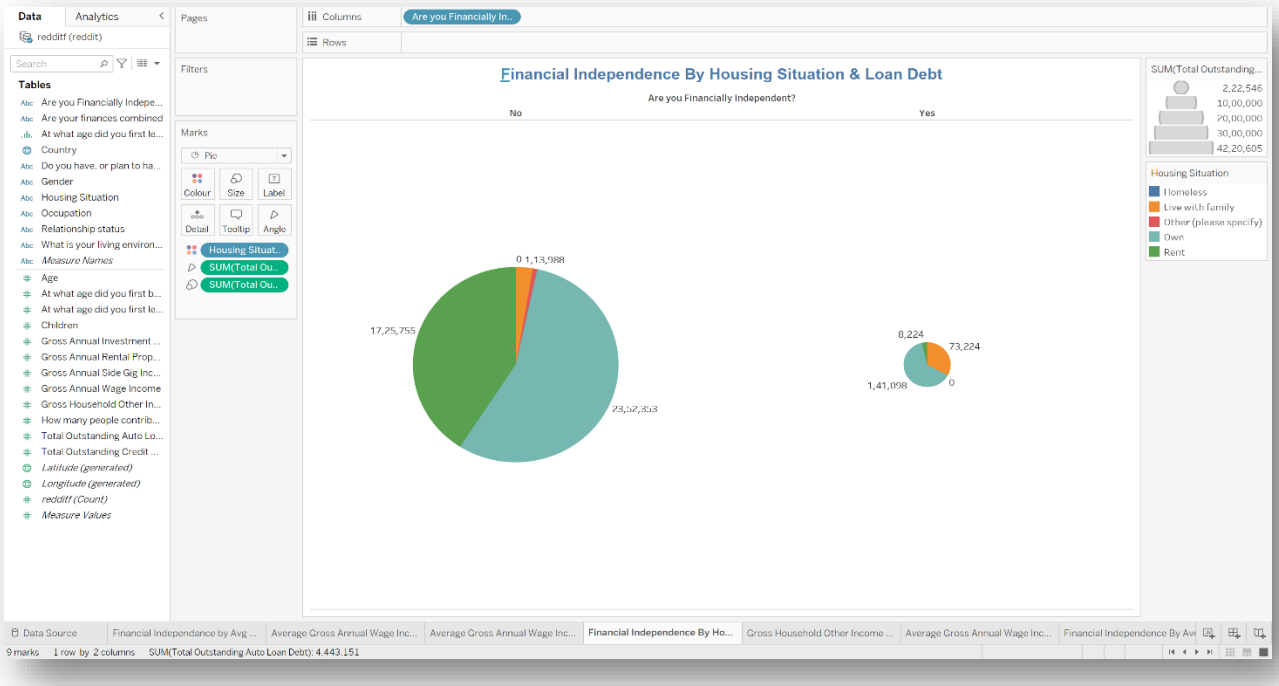
- **We understood the Data and the Business Questions**
- **Based on the Business questions we created the visualizations.**

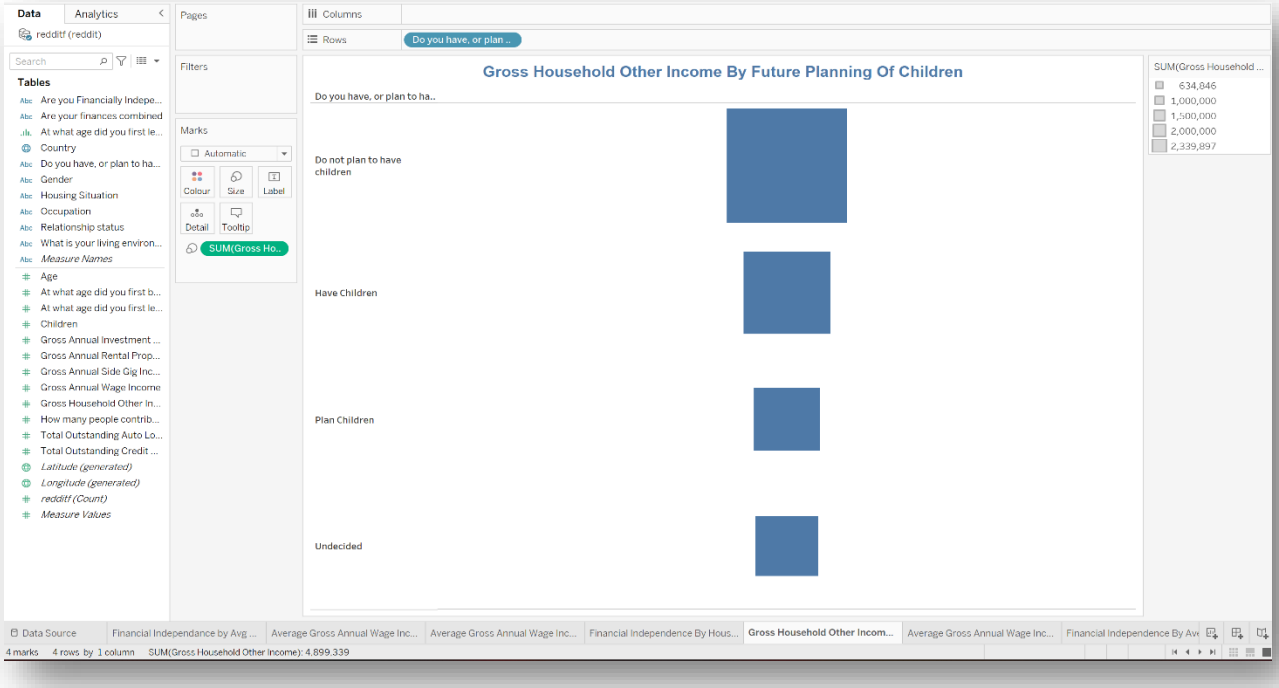
Visualizations

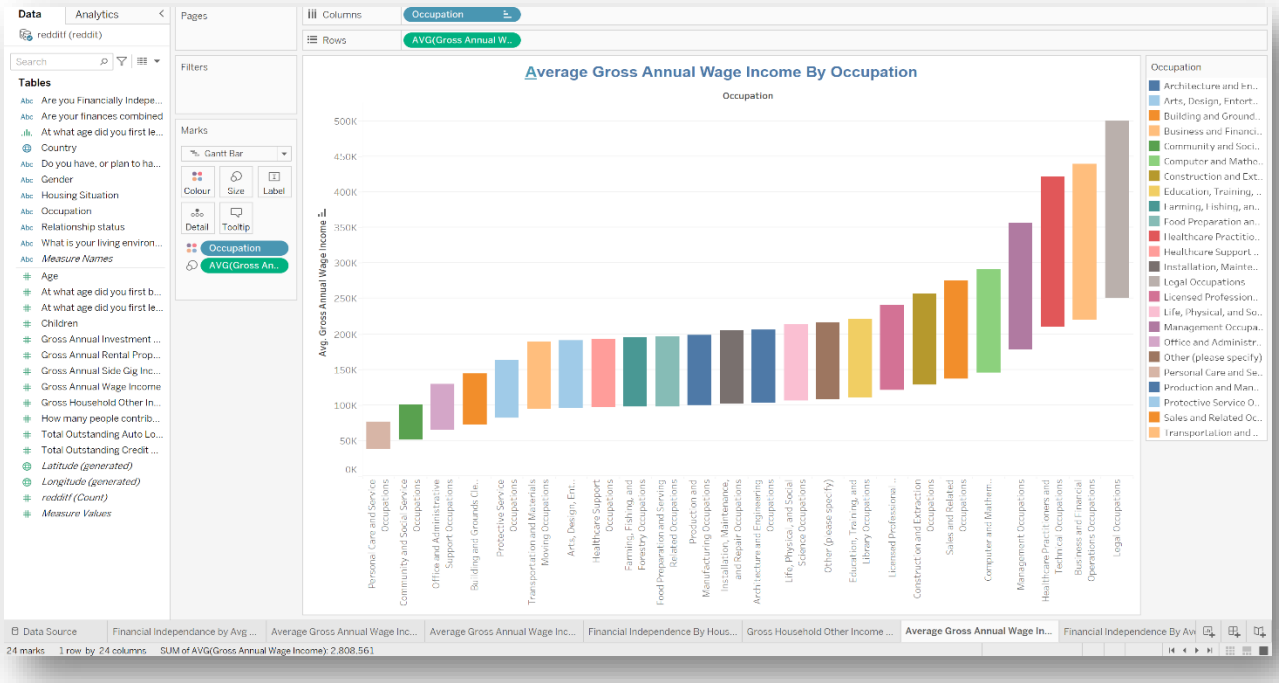


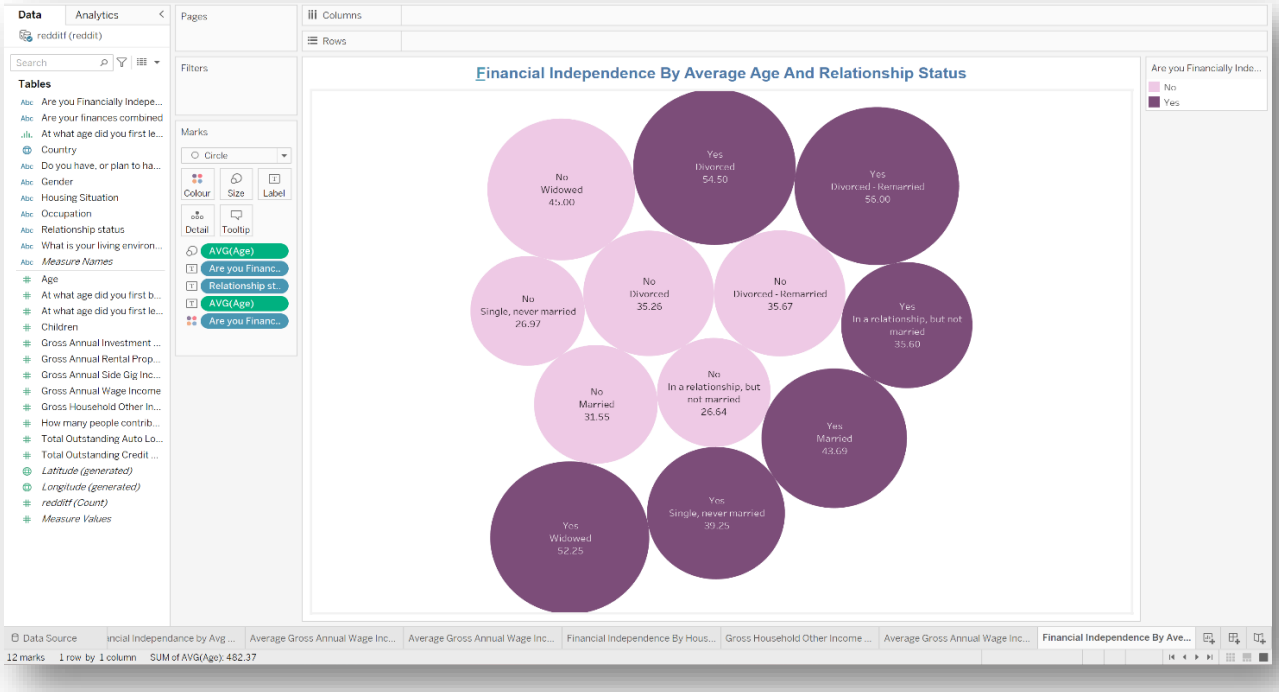


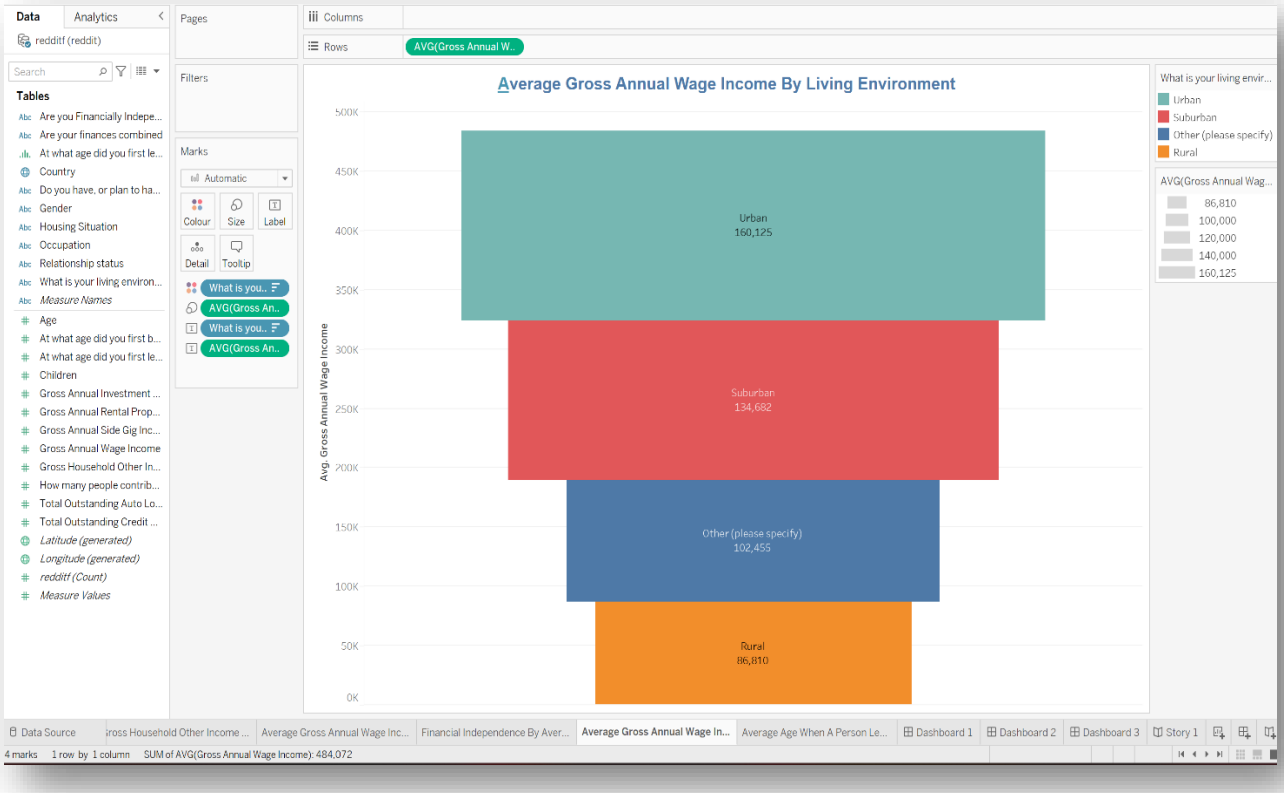

Data
Analytics
redditf (reddit)
Search
Tables
Are you Financially Indepe...
Are your finances combined
At what age did you first le...
Country
Do you have, or plan to ha...
Gender
Housing Situation
Occupation
Relationship status
What is your living environ...
Measure Names
Age
At what age did you first b...
At what age did you first le...
Children
Gross Annual Investment ...
Gross Annual Rental Prop...
Gross Annual Side Gig Inc...
Gross Annual Wage Income
Gross Household Other In...
How many people contrib...
Total Outstanding Auto Lo...
Total Outstanding Credit ...
Latitude (generated)
Longitude (generated)
redditf (Count)
Measure Values
Pages
Filters
Marks
Automatic
Colour
Size
Label
Detail
Tooltip
Country
AVG(Gross An..
Columns
Longitude (generated)
Rows
Latitude (generated)
Average Gross Annual Wage Income By Country
AVG(Gross Annual Wag...
15,000
330,000
135,800
72,400
90,000
70,000
142,957
120,000
165,000
330,000
265,500
247,750
47,500
60,000
96,000
200,000
175,000
123,547
149,618
40,000
32,667
114,904
40,943
© 2024 Mapbox © OpenStreetMap
Data Source
Financial Independance by Avg ...
Average Gross Annual Wage Inc...
Average Gross Annual Wage In...
Financial Independence By Hous...
Gross Household Other Income ...
Average Gross Annual Wage Inc...
Financial Independence By Av
34 marks
1 row by 1 column
SUM of AVG(Gross Annual Wage Income): 3.503.558

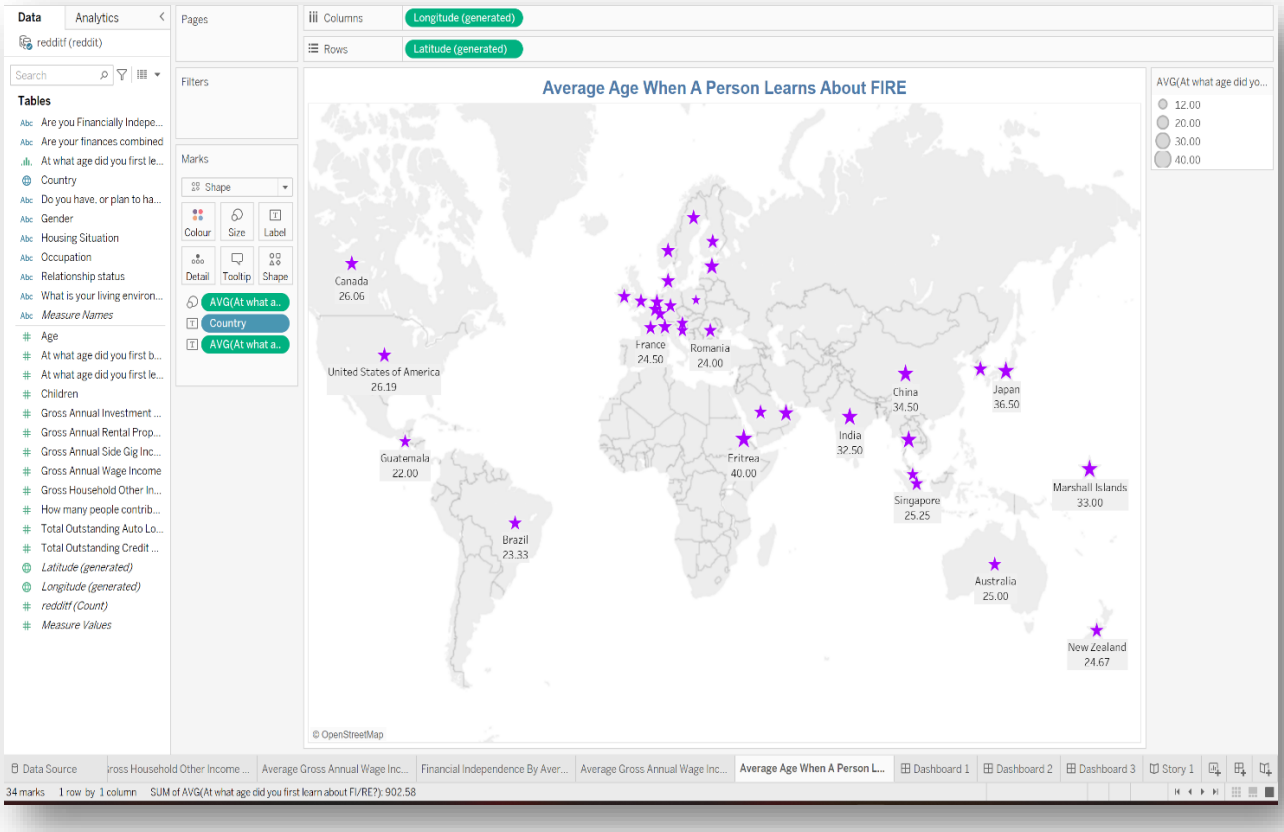

Financial Independence By Housing Situation & Loan Debt
Are you Financially Independent?
No
Yes
0
1,13,988
17,25,755
23,52,353
8,224
73,224
1,41,098
0
Housing Situation
Homeless
Live with family
Other (please specify)
Own
Rent


Gross Household Other Income By Future Planning Of Children
Do you have, or plan to ha..
Do not plan to have children
Have Children
Plan Children
Undecided


Data
Analytics
Pages
Columns
Occupation
Rows
AVG(Gross Annual W..
Filters
Marks
Gantt Bar
Colour
Size
Label
Detail
Tooltip
Occupation
AVG(Gross An..
Tables
Average Gross Annual Wage Income By Occupation
Occupation
Avg. Gross Annual Wage Income
500K
450K
400K
350K
300K
250K
200K
150K
100K
50K
0K
Data Source
Financial Independance by Avg ...
Average Gross Annual Wage Inc...
Average Gross Annual Wage Inc...
Financial Independence By Hous...
Gross Household Other Income ...
Average Gross Annual Wage In...
Financial Independence By Ave
24 marks
1 row by 24 columns
SUM of AVG(Gross Annual Wage Income): 2,808,561

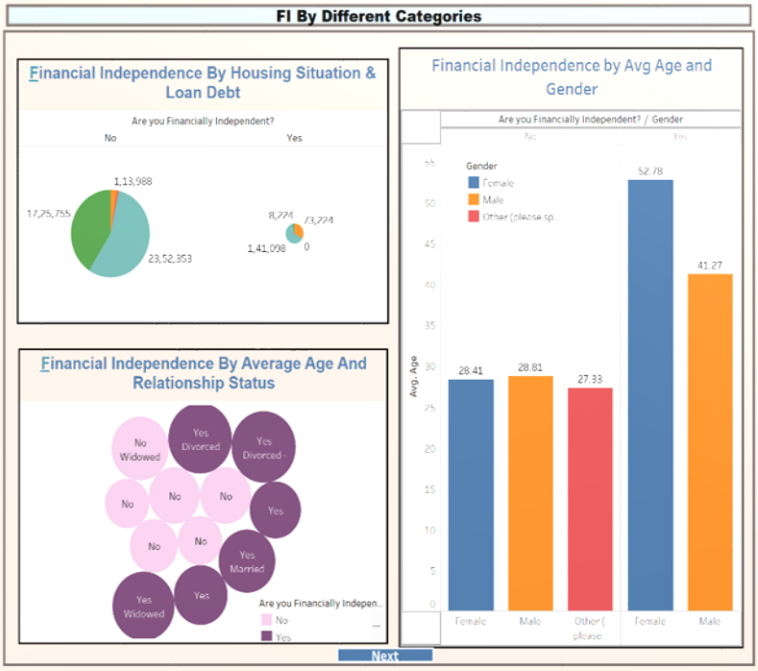

Data
Analytics
Pages
Columns
Rows
Filters
Marks
Circle
Colour
Size
Label
Detail
Tooltip
AVG(Age)
Are you Financ..
Relationship st..
AVG(Age)
Are you Financ..
Tables
Financial Independence By Average Age And Relationship Status
Are you Financially Inde...
No
Yes
No
Widowed
45.00
Yes
Divorced
54.50
Yes
Divorced - Remarried
58.00
No
Single, never married
26.97
No
Divorced
35.26
No
Divorced - Remarried
35.67
Yes
In a relationship, but not married
35.60
No
Married
31.55
No
In a relationship, but not married
26.64
Yes
Married
43.69
Yes
Widowed
52.25
Yes
Single, never married
39.25
Data Source
Average Gross Annual Wage Inc...
Average Gross Annual Wage Inc...
Financial Independence By Hous...
Gross Household Other Income ...
Average Gross Annual Wage Inc...
Financial Independence By Ave...
12 marks
1 row by 1 column
SUM of AVG(Age): 482.37

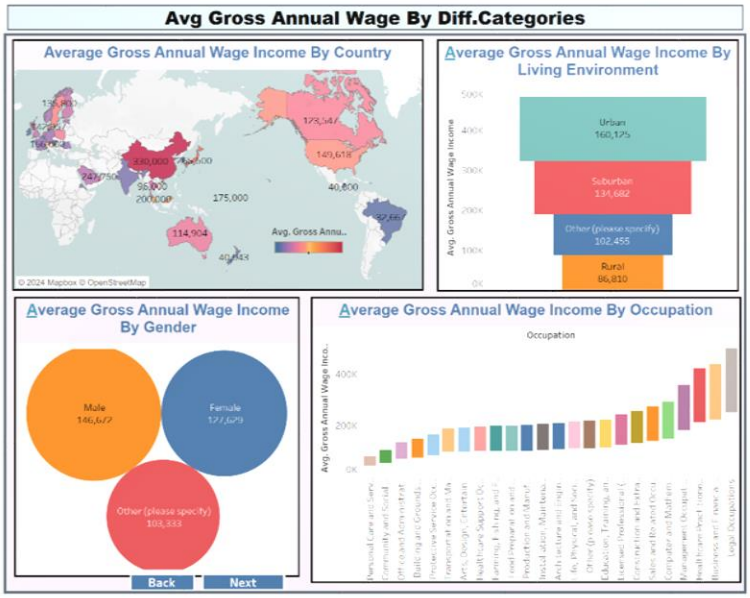

Average Gross Annual Wage Income By Living Environment
Urban
160,125
Suburban
134,682
Other (please specify)
102,455
Rural
86,810
Avg. Gross Annual Wage Income
500K
450K
400K
350K
300K
250K
200K
150K
100K
50K
0K
What is your living envir...
Urban
Suburban
Other (please specify)
Rural
AVG(Gross Annual Wag...
86,810
100,000
120,000
140,000
160,125

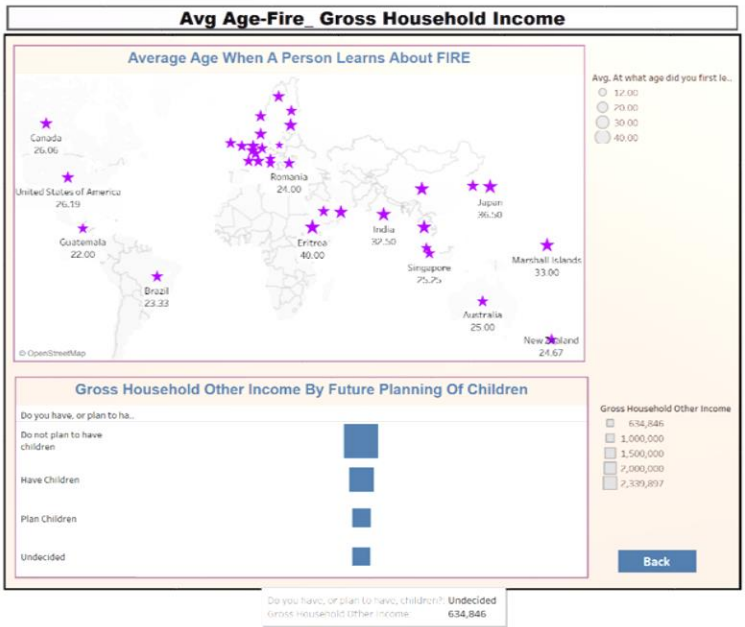

Average Age When A Person Learns About FIRE
Canada
26.06
United States of America
26.19
Guatemala
22.00
Brazil
23.33
France
24.50
Romania
24.00
Eritrea
40.00
India
32.50
China
34.50
Japan
36.50
Singapore
25.25
Marshall Islands
33.00
Australia
25.00
New Zealand
24.67
© OpenStreetMap
AVG(At what age did yo...
12.00
20.00
30.00
40.00

- **We developed dashboards by using visualizations**

Dashboards

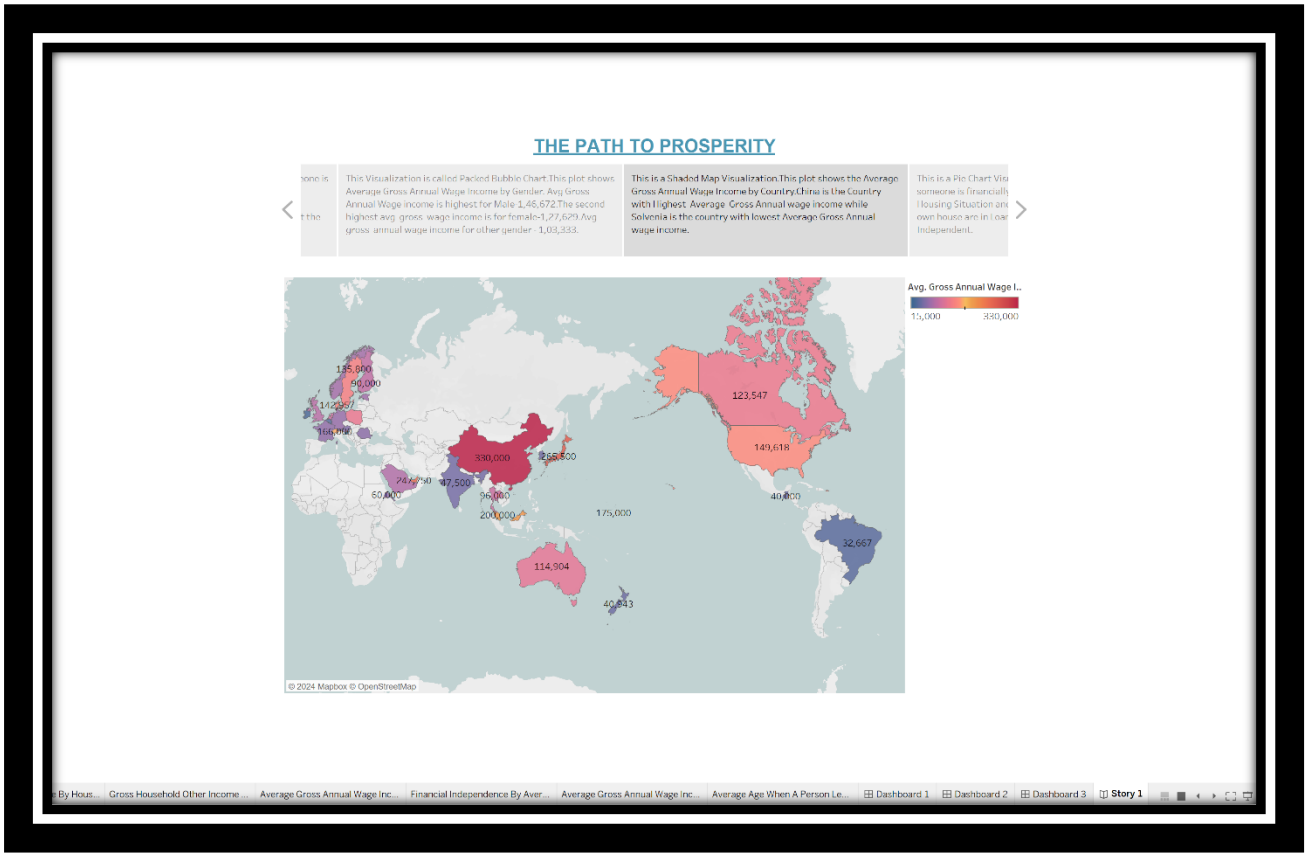

FI By Different Categories
Financial Independence By Housing Situation & Loan Debt
Are you Financially Independent?
No
Yes
1,13,988
17,25,755
23,52,353
8,224
73,774
1,41,098
0
Financial Independence By Average Age And Relationship Status
No Widowed
Yes Divorced
Yes Divorced
No
No
No
Yes
No
No
Yes Married
Yes Widowed
Yes
Are you Financially Indepen..
No
Yes
Financial Independence by Avg Age and Gender
Are you Financially Independent? / Gender
No
Yes
Gender
Female
Male
Other (please sp..
Avg. Age
55
50
45
40
35
30
25
20
15
10
5
0
28.41
28.81
27.33
52.78
41.27
Female
Male
Other (please..
Female
Male
Next


Avg Gross Annual Wage By Diff.Categories
Average Gross Annual Wage Income By Country
178,547
149,618
40,800
175,000
114,904
Avg. Gross Annu..
© 2024 Mapbox © OpenStreetMap
Average Gross Annual Wage Income By Living Environment
Avg. Gross Annual Wage Income
500K
400K
300K
200K
100K
0K
Urban
160,125
Suburban
134,682
Other (please specify)
102,455
Rural
86,810
Average Gross Annual Wage Income By Gender
Male
146,672
Female
127,609
Other (please specify)
103,333
Back
Next
Average Gross Annual Wage Income By Occupation
Occupation
Avg. Gross Annual Wage Inco..
400K
200K
0K


Avg Age-Fire_ Gross Household Income
Average Age When A Person Learns About FIRE
Avg. At what age did you first le..
12.00
20.00
30.00
40.00
Canada
26.06
United States of America
26.19
Guatemala
22.00
Brazil
23.33
Romania
24.00
Eritrea
40.00
India
32.50
Japan
36.50
Singapore
25.25
Australia
25.00
Marshall Islands
33.00
New Zealand
24.67
© OpenStreetMap
Gross Household Other Income By Future Planning Of Children
Do you have, or plan to ha..
Do not plan to have children
Have Children
Plan Children
Undecided
Gross Household Other Income
634,846
1,000,000
1,500,000
2,000,000
2,339,897
Back
Do you have, or plan to have, children?: Undecided
Gross Household Other Income: 634,846

➢ **We created the Story board by using Visualizations.**

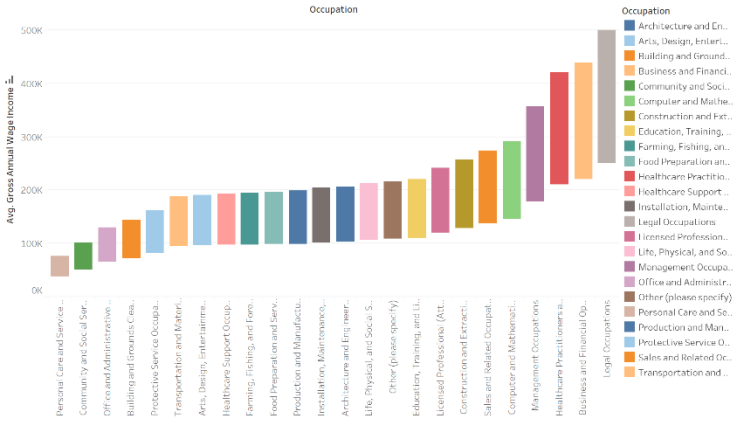
Story board



THE PATH TO PROSPERITY

This Visualization is Called Customized waterfall Chart.This plot shows the Average Gross Annual Wage Income by Occupation.we've used Avg Gross Annual Wage Income in rows and occupation in columns.The Highest Avg Gross Annual Wage Income is for people who have Legal Occupations and lowest for personal care and service occupations.

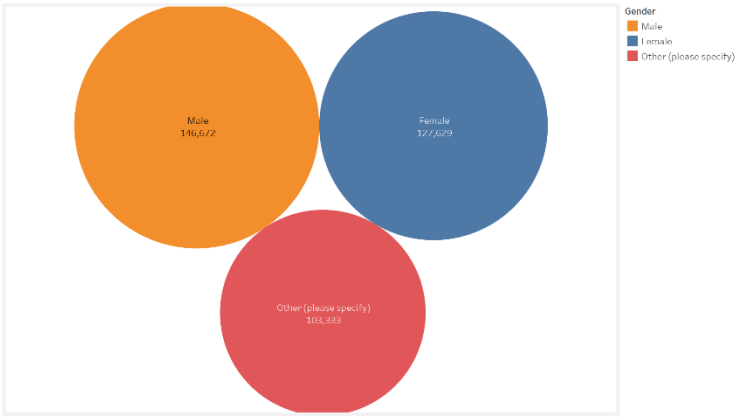
This Visualization is called Packed Bubble chart.This plot shows Financial Independence By Average Age and Relationship Status. Most of the Divorced-Remarried people are financially independent at the average age of 56.



THE PATH TO PROSPERITY

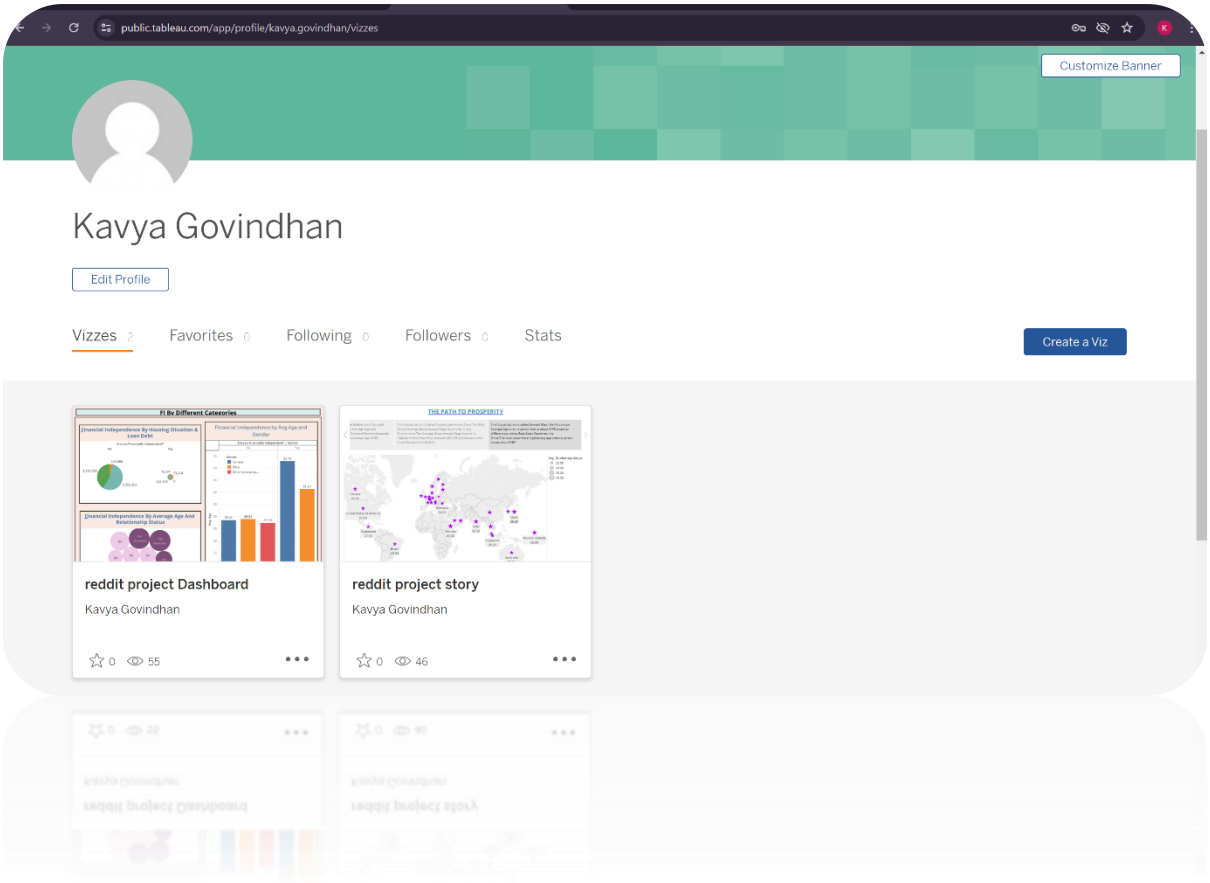
This Visualization is called Packed Bubble Chart.This plot shows Average Gross Annual Wage Income by Gender. Avg Gross Annual Wage income is highest for Male 1,46,672.The second highest avg. gross wage income is for female-1,27,629.Avg gross annual wage income for other gender - 1,03,333.

This is a Shaded Map Visualization.This plot shows the Average Gross Annual Wage Income by Country.China is the Country with Highest Average Gross Annual wage income while Solvenia is the country with lowest Average Gross Annual wage income.



Publishing to the Tableau public

- **We published our developed Visualizations, Dashboard and Story in Tableau public Account.**



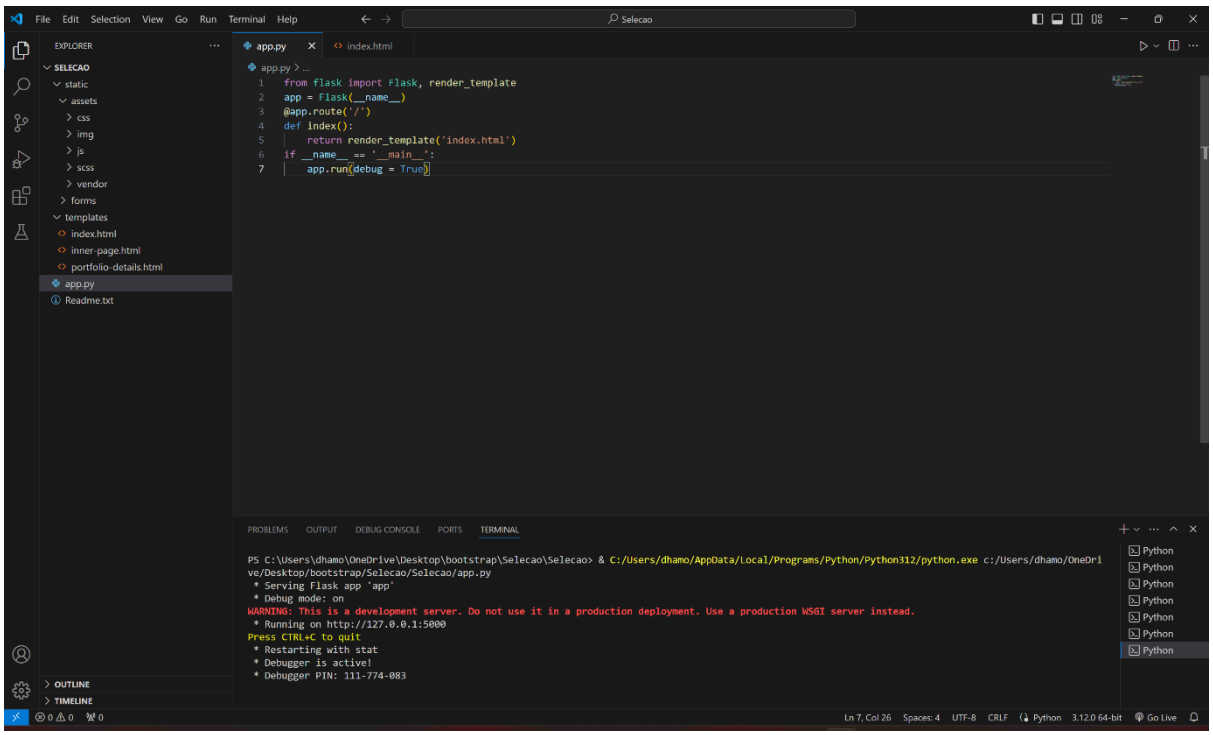
- **After publishing, we got the shareable links**

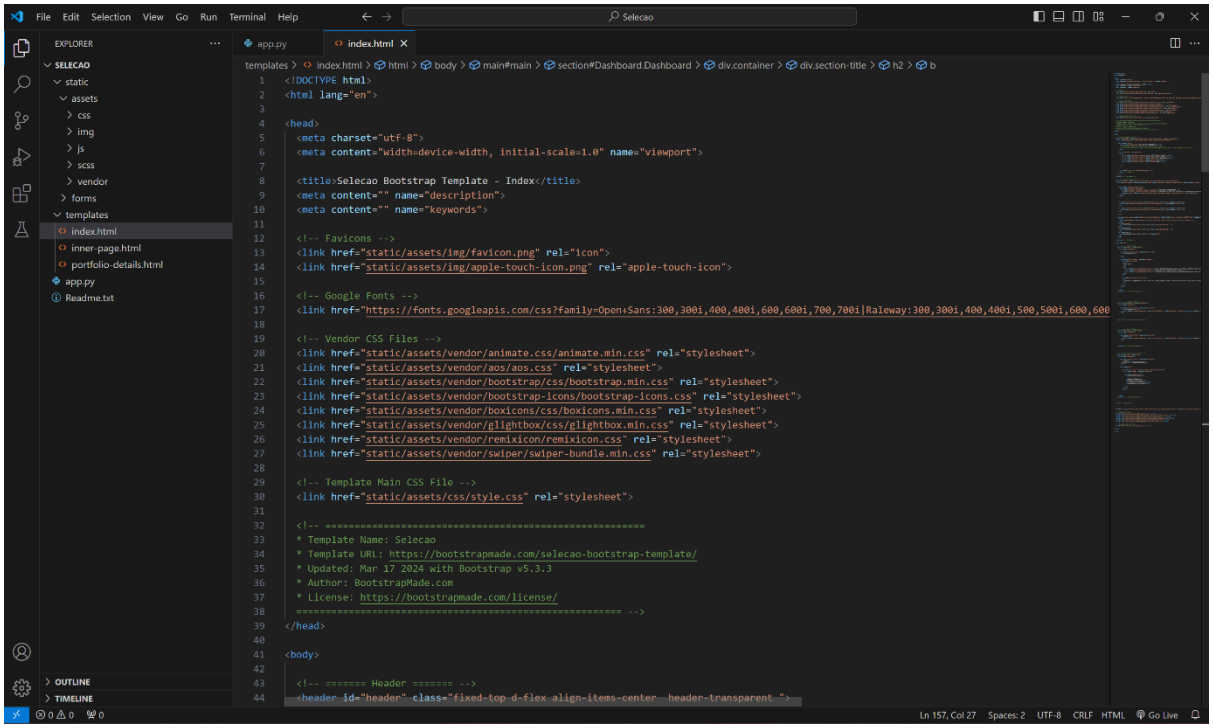
1. https://public.tableau.com/views/redditprojectDashboard/Dashboard1?:language=en-US&:sid=&:display_count=n&:origin=viz_share_link

2. https://public.tableau.com/views/redditprojectstory/Story1?:language=en-US&:sid=&:display_count=n&:origin=viz_share_link

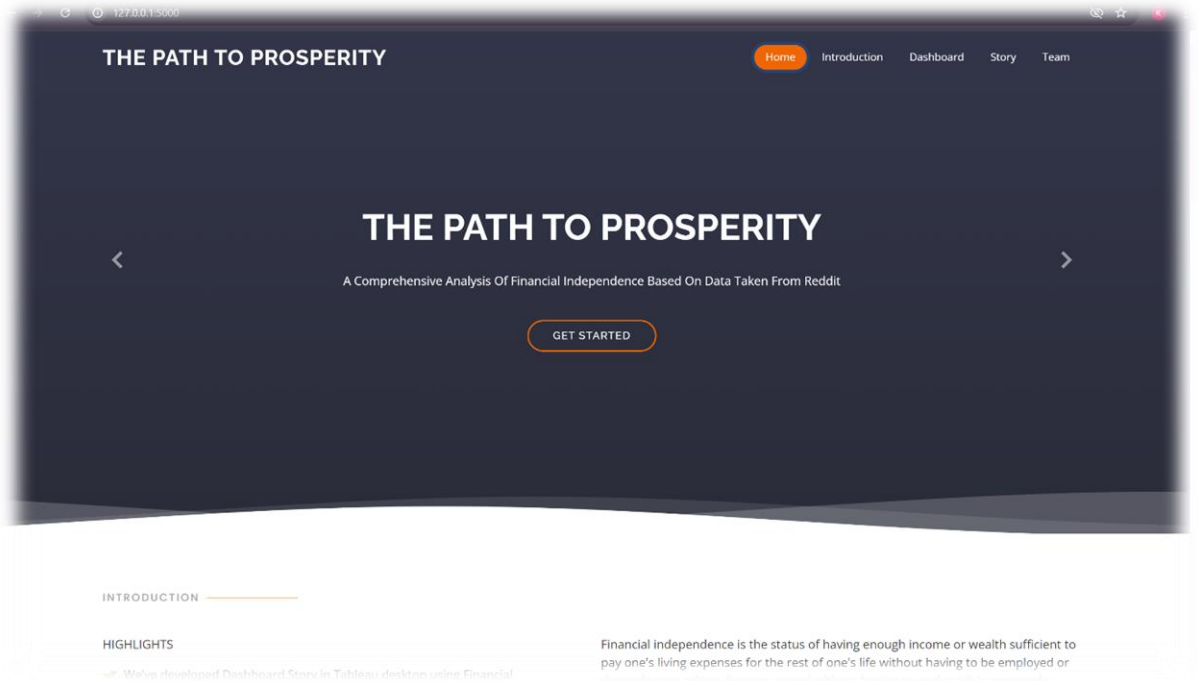
Web Application Integration

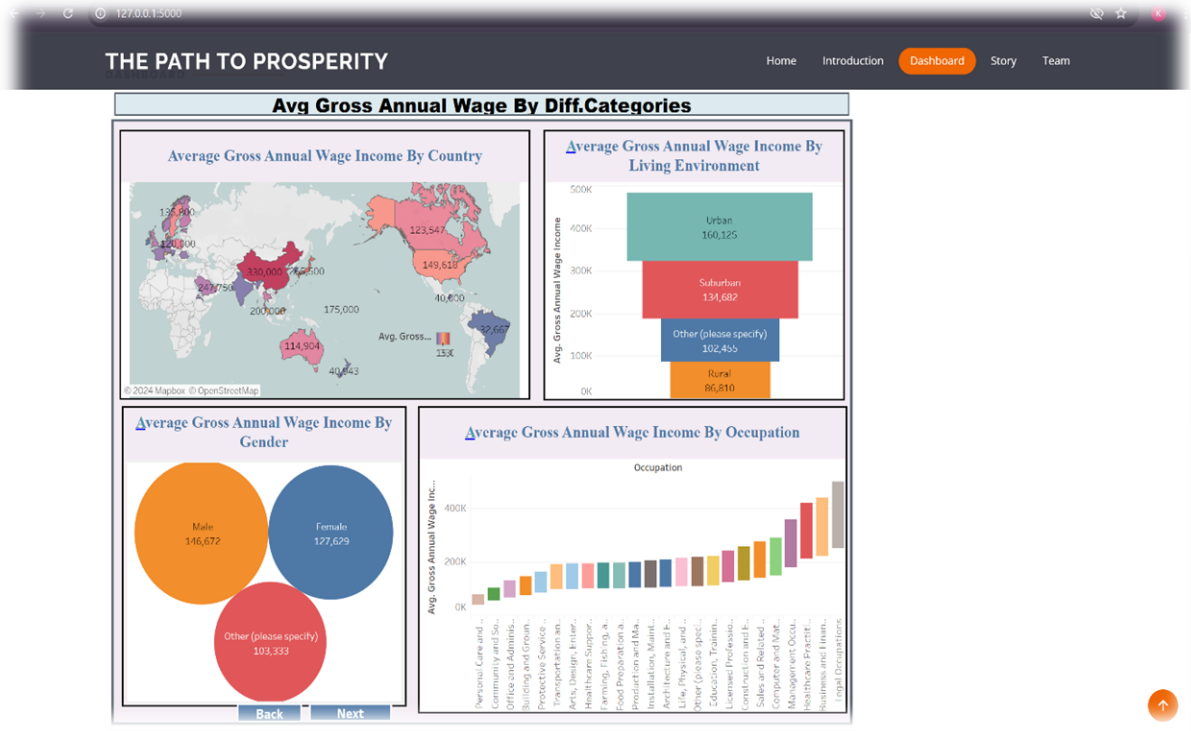
➢ We developed a web application using HTML, CSS or Using Bootstrap

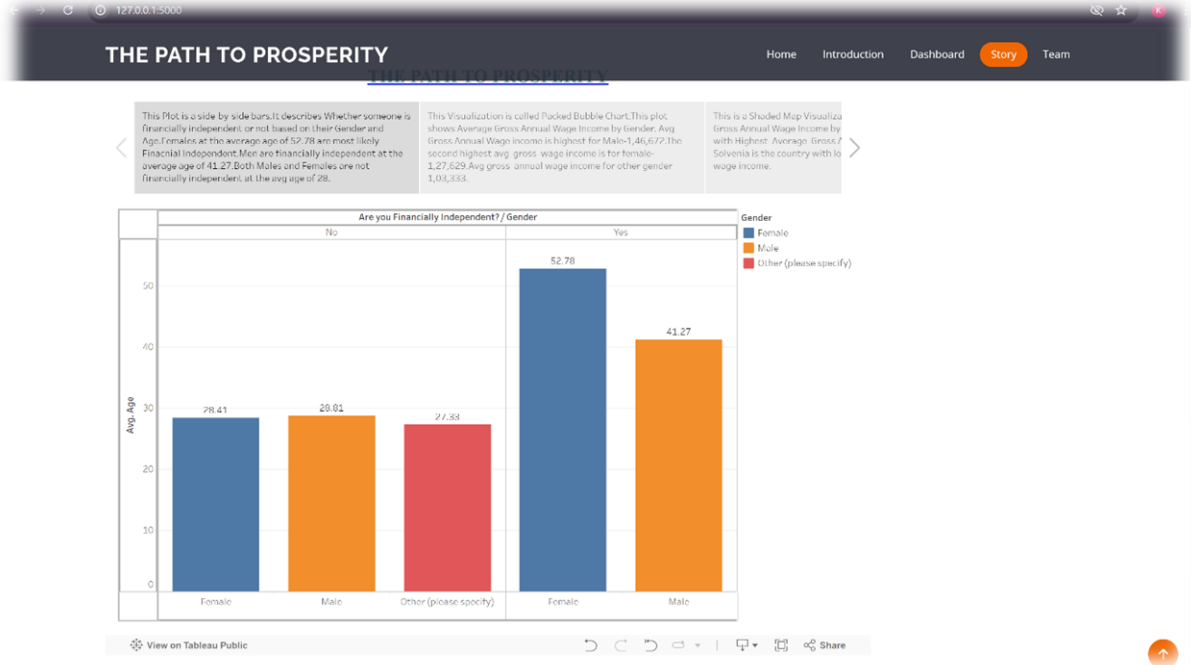




➢We integrated the Visualizations, Dashboard and Story with the Web Application




127.0.0.1:5000
THE PATH TO PROSPERITY
Home
Introduction
Dashboard
Story
Team
Avg Gross Annual Wage By Diff.Categories
Average Gross Annual Wage Income By Country
123,547
149,618
40,600
175,000
114,904
Avg. Gross...
© 2024 Mapbox © OpenStreetMap
Average Gross Annual Wage Income By Living Environment
Avg. Gross Annual Wage Income
500K
400K
300K
200K
100K
0K
Urban
160,125
Suburban
134,682
Other (please specify)
102,455
Rural
86,810
Average Gross Annual Wage Income By Gender
Male
146,672
Female
127,629
Other (please specify)
103,333
Back
Next
Average Gross Annual Wage Income By Occupation
Occupation
Avg. Gross Annual Wage Inc...
400K
200K
0K


127.0.0.1:5000
THE PATH TO PROSPERITY
Home
Introduction
Dashboard
Story
Team
This Plot is a side by side bars.It describes Whether someone is financially independent or not based on their Gender and Age.Females at the average age of 52.78 are most likely Finacnial Independent.Men are financially independent at the average age of 41.27.Both Males and Females are not financially independent at the avg age of 28.
This Visualization is called Packed Bubble Chart.This plot shows Average Gross Annual Wage Income by Gender. Avg Gross Annual Wage income is highest for Male-1,46,672.The second highest avg gross wage income is for female-1,27,629.Avg gross annual wage income for other gender 1,03,333.
Are you Financially Independent? / Gender
No
Yes
Gender
Female
Male
Other (please specify)
Avg. Age
52.78
41.27
28.41
28.91
27.33
Female
Male
Other (please specify)
Female
Male
View on Tableau Public
Share

Details

Team ID : LTVIP2024TMID10813

Team Size : 5

Team Leader : GOVINDHAN KAVYA

Team member : GANJI MEGHANA

Team member : CHENNURI ABHISHEK

Team member : BUNGATAVULA SAI SAKETH

Team member : SIDDAVATAM RUSHENDRA SAI