

THE PATH TO PROSPERITY : A COMPREHENSIVE ANALYSIS OF FINANCIAL INDEPENDENCE BASED ON THE DATA TAKEN FROM REDDIT

The financial independence can be achieved by Creating a detailed budget to track your income and expenses. Analyse your debts and liabilities such as credit cards, loans, and mortgages. Take stock of your choice, including investments, savings accounts, and retirement funds.

→ Grow your Business.

→ Pursue wealth.

→ Achieve what 1% of the world's population has.

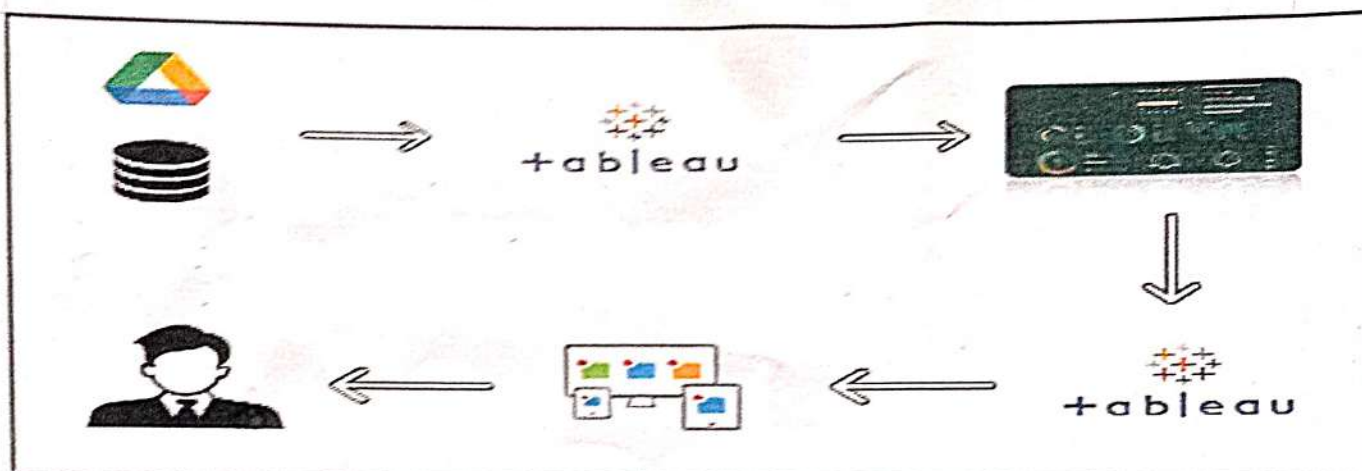
- The biggest risk is not taking any risk.

→ An American social news aggregation, content rating, and discussion website, Registered user (commonly referred to as "Redditors").

The technical Architecture:

The Technical Architecture is where we can work through cloud technology such as drive (Google) and any other third party cloud technologies and then we send that data to tableau by using that data in tableau we create data

visualizations then we create web integrations and develop the documentation.



Project Flow:-

1. Data Collection & Extraction from database
 - Collect the dataset
 - Connect data with tableau
2. Data Preparation
 - Prepare the data for Visualization
3. Data Visualization (In tableau)
 - Financial Independence by Average age and Gender.
 - Average gross annual wage income by Gender
 - Financial Independence by Housing situation & loan debts.

- Average gross annual wage income by country.
- Average gross Annual wage income by Occupation.
- Relationship status & Average age by financial independence.
- Average gross Annual wage income by living environment.

4. Dashboard.

- Dashboard 1 → Average gross by income of gender
Average gross Annual wage income by occupation

The floating navigation icon in NEXT to dashboard 2

- Dashboard 2 → financial independence by Average age and gender.

Average gross Annual wage income by living environment

financial independence by average age and relationship status

The floating navigation icon in NEXT to dashboard 3

- Dashboard 3 → financial independence by

housing situation & loads
Average age when a person learns about FIRE
the floating navigation icon in PREVIOUS
to dashboard 1.

5. Story → the story in tableau which we created contains all of our data visualization and the explanation of that particular data visualization individually. There are 8 no of visualization and their explanation individually in the story.

6. Performance testing.

- Amount of data loaded is 245 KB by compressing the original data.
- Utilization of data filters is according to the visualization we created.
- There are 13 calculation fields we used.
- There are 15 data visualizations we created.

7. Web integration.

→ Dashboard and story was embed with link URL with flask.

8. Project demonstration & Documentation.

- Me and my team recorded an explana

tion medio for project end to end solutions.

- Project documatacion is uploaded in the Github team project account by scanning the written document into soft copy pdf.

Milesbon 1: Data Collection & Extracction from Database:-

Data collection is the process of gathering and measuring information on variables of interest, in an established systematic fashion that enables research questions, test hypotheses and evaluate outcomes and generate insights from the data.

Activity 1: Collect the dataset

We have to collect and download the data set by using link in the Smartinternz workshop where the process of the project is mentioned.

Activity 1.1: Understand the data.

Data contains all the meta information regarding the columns described in the CSV files.

Column description of the Dataset:-

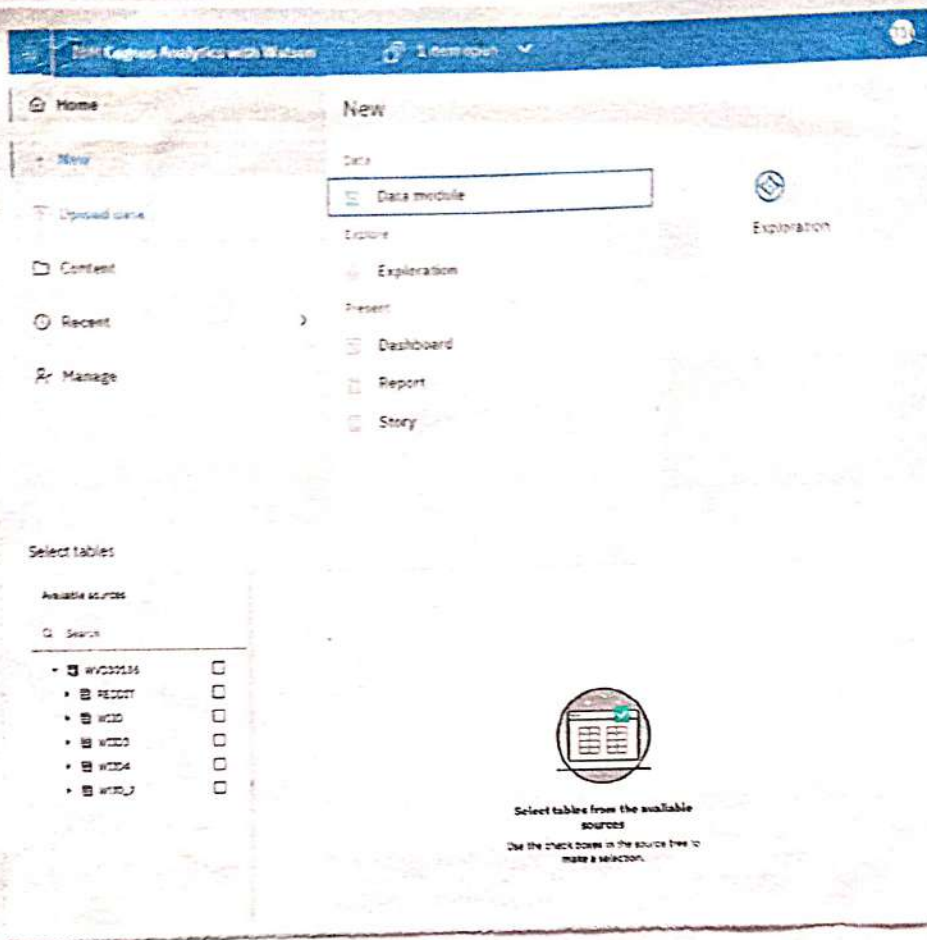
- Data: timestamp, or time/data information
- Countries: financial status independence in each country of data.

- Gender: The financial independence of the particular gender is mentioned.
- Housing Situation: The housing situation of a person such as
 - (a) Homeless
 - (b) Live with family
 - (c) Own
 - (d) Rent
 - (e) Others.
- Occupation: The job (a) the work of that particular person is doing is mentioned.
- Relationship Status: The Relationship status is mentioned for the population such as
 - (a) married
 - (b) divorced
 - (c) In a relationship
 - (d) Single
 - (e) Widowed etc.

Milestone 2: Data Preparation:

Activity 1: Preparation the Data for Visualization

Preparing the data for visualization involves cleaning the data to remove irrelevant or missing data, transforming the data into a format that can be easily visualized, exploring the data to identify patterns and trends, filtering the data to focus on specific subsets of data, preparing the data for visualization software, and ensuring the data is accurate and complete. This process helps to make the data easily understandable and ready for creating visualizations to gain insights into the performance and efficiency.



Q Search

- WVD00186 ☐
- REDDIT ☐
- CENDER
- AGE
- HOUV_MAN_INCOME
- RELATION_P_STATUS
- ARE_YOUR_COMBINED
- Do you have children?
- CHILDREN
- ARE_YOU_DEPENDENT
- OCCUPATION
- HOUSING_SITUATION
- COUNTRY
- WHAT_IS_ONMENT

Male	26	1	In a relationship, but not married	Yes	Plan
Male	37	2	In a relationship, but not married	Yes	Have
Male	20	1	Single, never married	Yes	Uncle
Male	26	1	Single, never married	Yes	Uncle
Male	24	1	In a relationship, but not married	No	Uncle
Male	30	1	Married	Yes	Have
Male	29	2	Married	Yes	Don't child
Male	25	1	Single, never married	Yes	Uncle

Previous Cancel OK

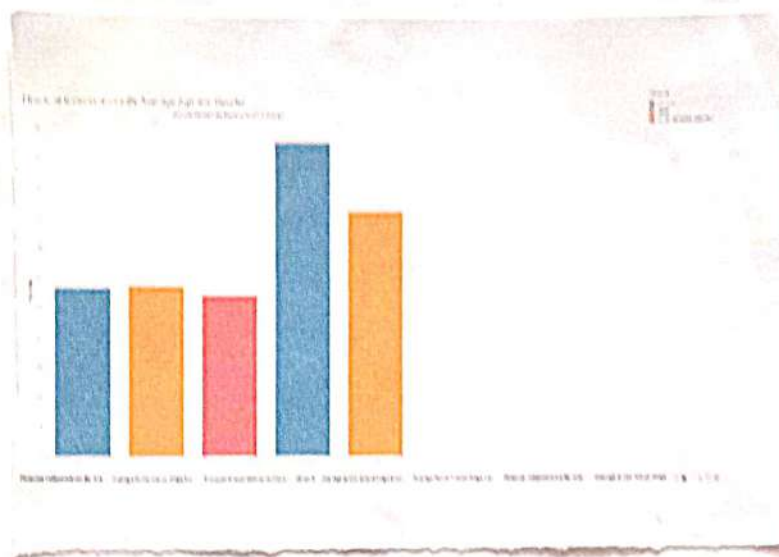
Milestone 3: Data Visualizations

Data visualization is the process of creating graphical representations of data in order to help people to understand and explore the information. The goal of data visualization is to make complex data sets more accessible, intuitive and easier to interpret. By using visual elements such as charts, graphs and maps, data visualizations can help people quickly identify patterns, trends and outliers in the data.

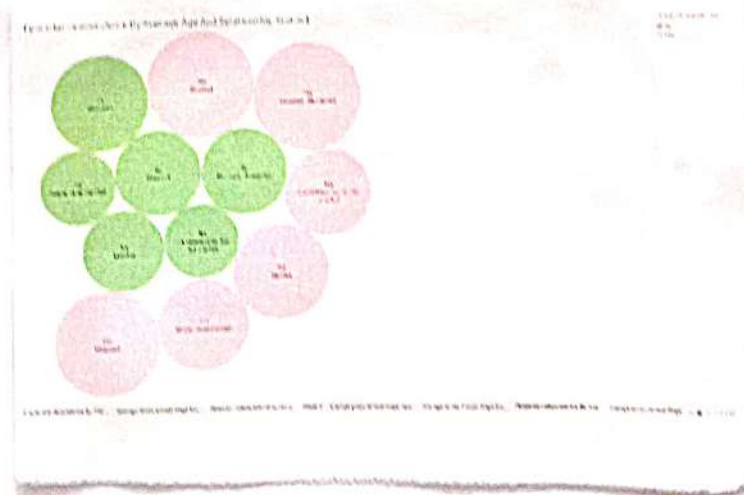
Activity 1: The Data Visualizations of my project.

The unique no of data visualizations that can be created with given dataset. Some common types of visualizations that can be used to analyse the Reddit financial independence data include bar charts, the charts, heat maps, scatter plots, pie charts maps etc. These visualizations can be used to compare performance, track changes over time, show distribution and relationship between variables.

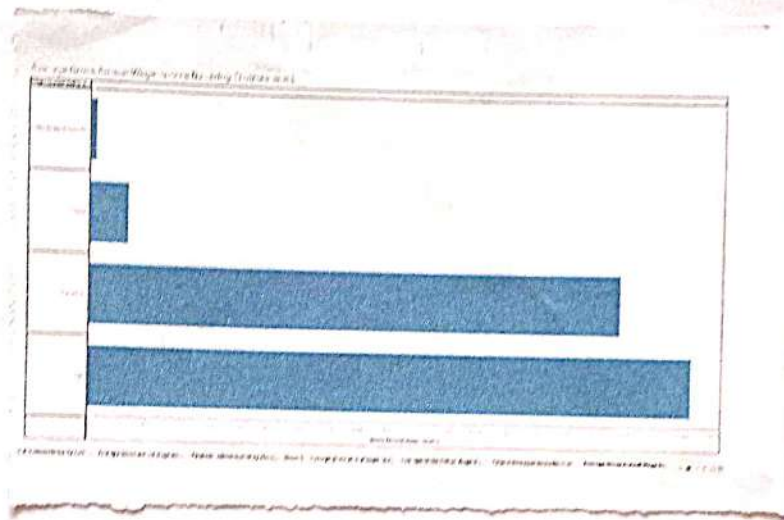
Activity 1.1: Financial Independence By Average age and Gender.



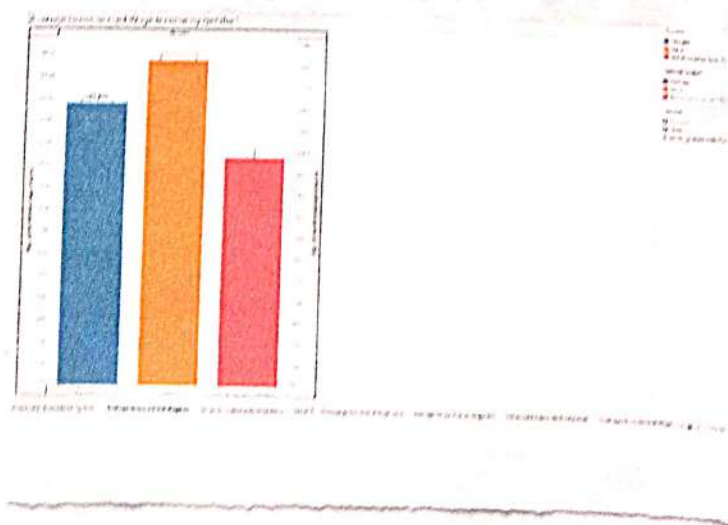
Activity 1.2: Financial Independence by Average Age and Relationship Status



Activity : 1.3: Average Gross Annual wage
Income by Living Environment



Activity : 1.4 : Average gross annual wage income
by Gender.



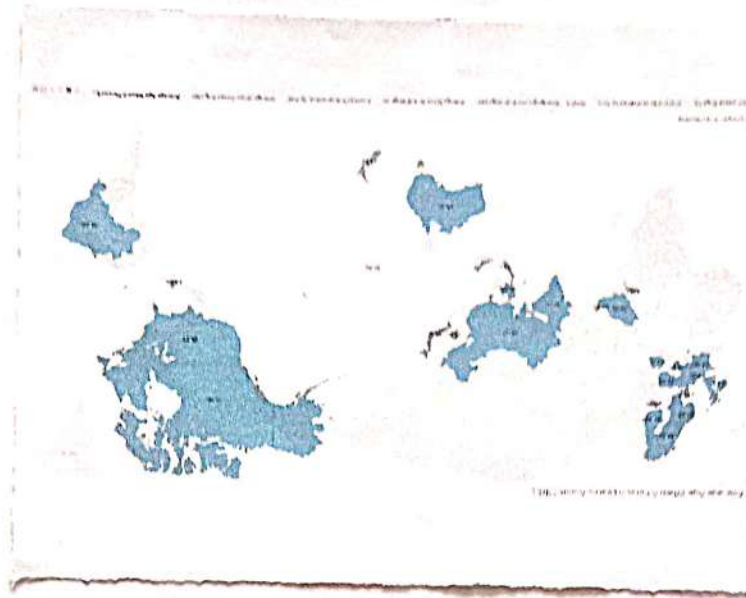
Activity : 1.5: Average gross Annual wage
Income by Occupation.



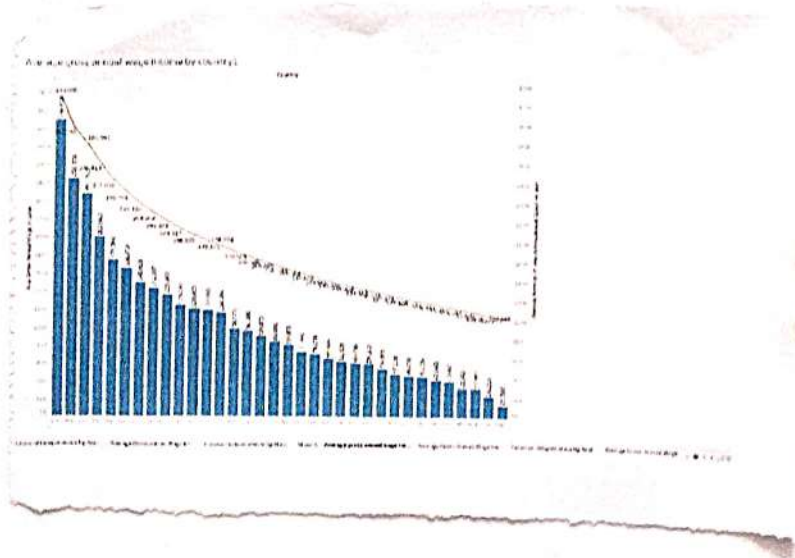
Activity : 1.6: Financial Independence by Housing
Situation & Loan Debts



Activity : 1.7: Average age when a person
learns about FIRE



Activity : 1.8: Average cross annual wage
income by country.



Milestone 4: Dashboard

A dashboard is a graphical user interface (GUI) that displays information and data in the an organized, easy-to-read format. Dashboards are often used to provide real-time monitoring and analysis of data, and are typically assignment for a specific purpose or use case. Dashboard can be used in a variety of settings, such as business finance, manufacturing, healthcare and many other industries. They can be used to track key performance indicators (KPIs), monitor performance metrics and display data in the form of charts, graphs and tables.

Activity 1 : Responsive and Design of Dashboard

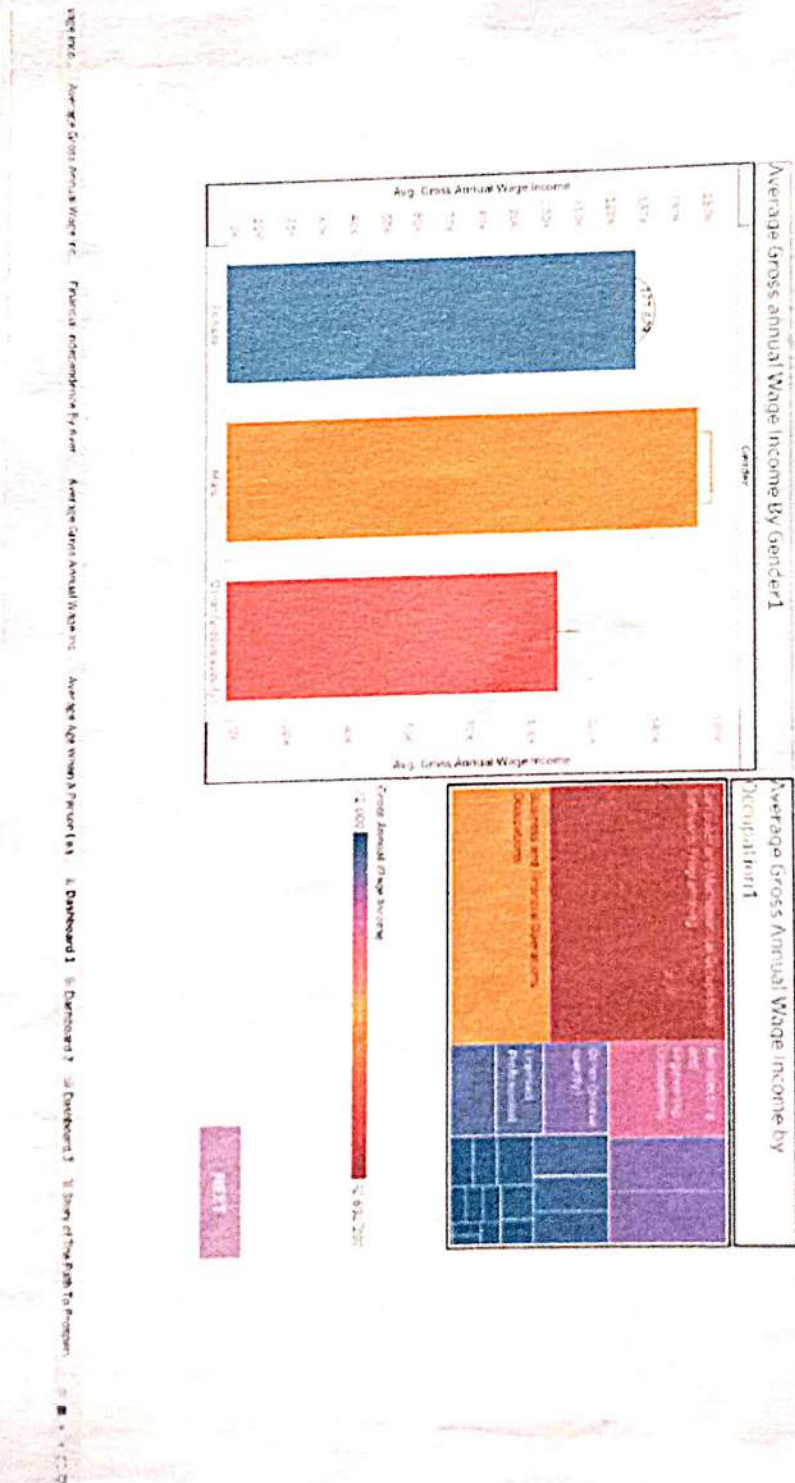
The Responsiveness and design of a dashboard for analysing the factors important for financial independence is crucial to ensure that the information is easily understandable and actionable. Key consideration for designing a responsive and effective dashboard

including user-centered design, clear and concise information, interactivity, data-driven approach, accessibility, customization and security.

⇒ A Tableau dashboard for financial independence allows you to visually track income, expenses, savings rate, investments performance, and net worth over time, providing a comprehensive overview of your financial health. By incorporating goal tracking and budgeting features, the dashboard helps you stay focused on achieving key milestones and making informed financial decisions to progress towards independence. With customizable visualizations and real-time data updates, Tableau empowers you to effectively manage your finance and take control of your path to financial freedom.

Dashboard 1:

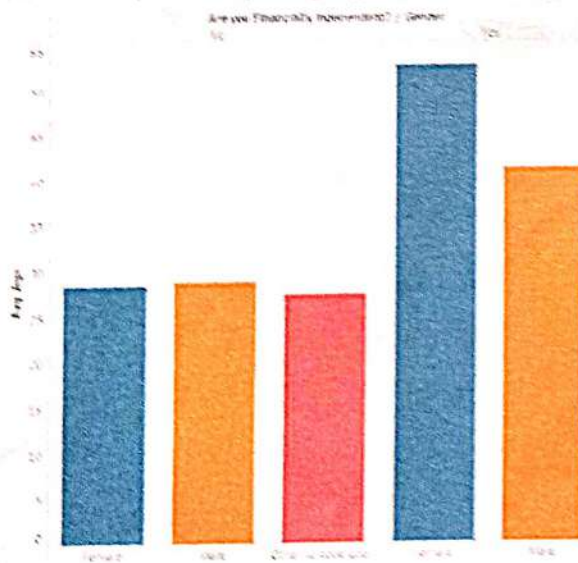
- Average Gross annual wage income by Gender
- Average gross Annual wage income by Occupation



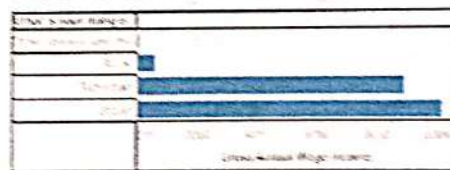
Dashboard 2:

- Financial Independence by Average age and gender
- Average gross Annual wage income by Living environment
- Financial Independence by Average age and Relationship status.

Financial Independence By Average Age and Gender



Average Gross Annual Wage Income By Living Environment

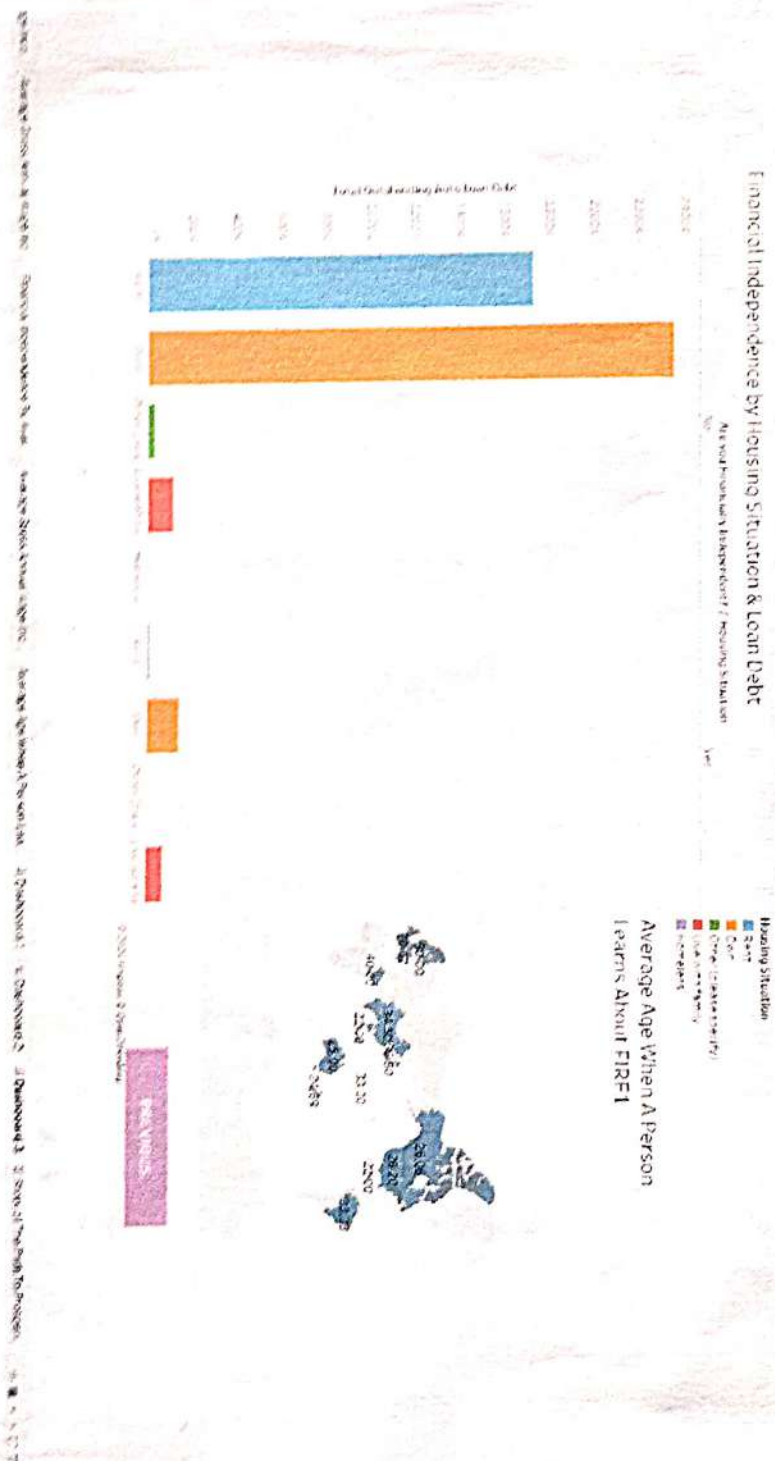


Financial Independence By Average Age And Relationship Status



Dashboard 3:

- Financial Independence by Housing Situation & Loan Debt
- Average age when a person learns about FIRE.

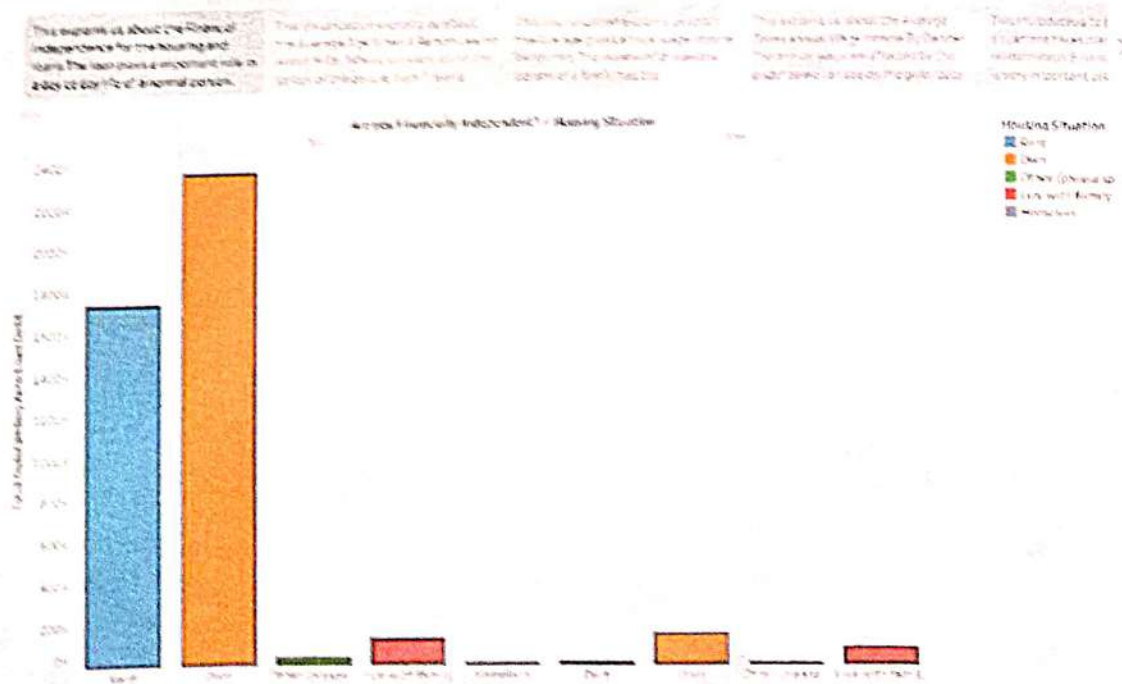


Milestone 5: Story of the path to prosperity.

In financial independence, storytelling with the tableau is vital for illustrating the journey towards financial freedom, highlighting key milestones, and empowering viewers to understand and take control of their financial futures through data-driven insight presented in a compelling narrative format. Utilizing tableau's features such as interactive visualizations and personalized dashboard enables individuals to track progress, identify opportunities, and make informed decisions aligned with their financial goals.

aktivita 1:

Story of The Path To Prosperity: A Comprehensive Analysis Of Financial Independence Based On Data Taken From Reddit



Activity 2:

Story of The Path To Prosperity: A Comprehensive Analysis Of Financial Independence Based On Data Taken From Reddit

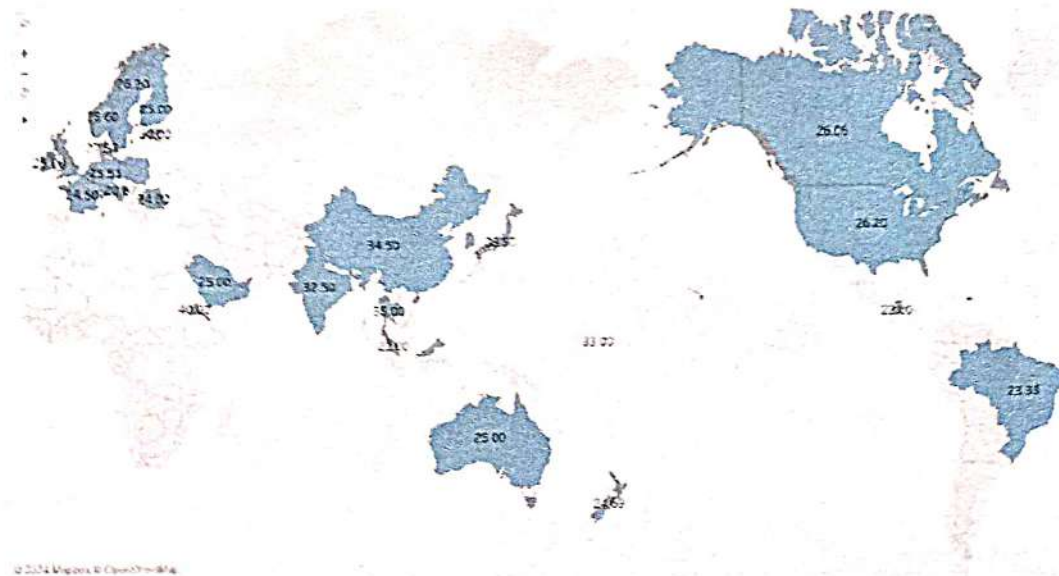
This explainer is about the financial independence by average gross annual wage income by country. The income of an average person of a family has the

This visualization explains us about the Average Age When A Person Learns About Financial Independence. The average age when a person learns about financial independence is about 34.50 years old.

This visualization explains us about the Average Gross Annual Wage Income by country. The average gross annual wage income by country is about 25.00.

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Financial Independence By Average Gross Annual Wage Income by Country | Dashboard 1 | Dashboard 2 | Dashboard 3 | Story of The Path To Prosperity

Activity 3:

Story of The Path To Prosperity: A Comprehensive Analysis Of Financial Independence Based On Data Taken From Reddit

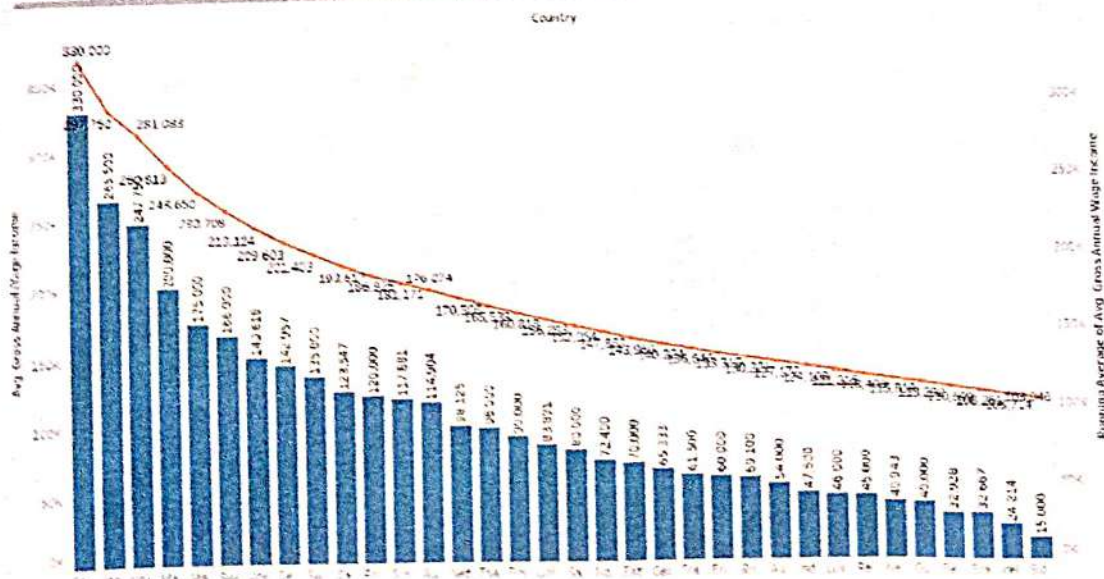
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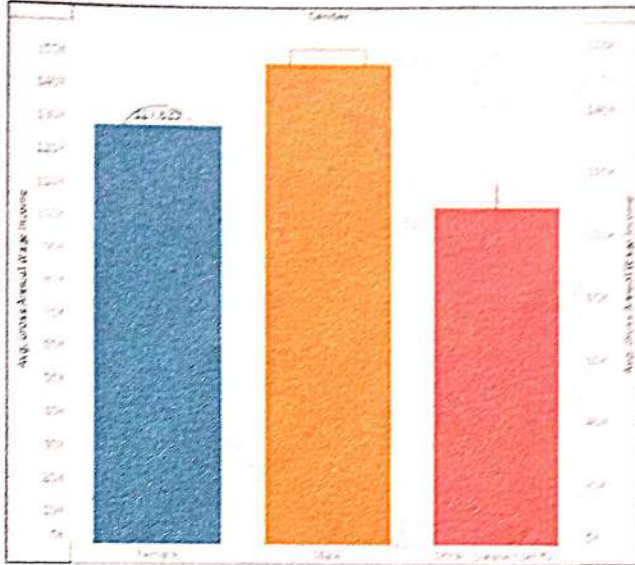


Financial Independence By Average Gross Annual Wage Income by Country | Dashboard 1 | Dashboard 2 | Dashboard 3 | Story of The Path To Prosperity

Activity 4:

Story of The Path To Prosperity: A Comprehensive Analysis Of Financial Independence Based On Data Taken From Reddit

This dashboard visualizes the financial independence of Reddit users based on their gender, age, and income. The dashboard is divided into three main sections: Gender, Age, and Income. The Gender section shows the average annual income for each gender. The Age section shows the average annual income for each age group. The Income section shows the average annual income for each income bracket.

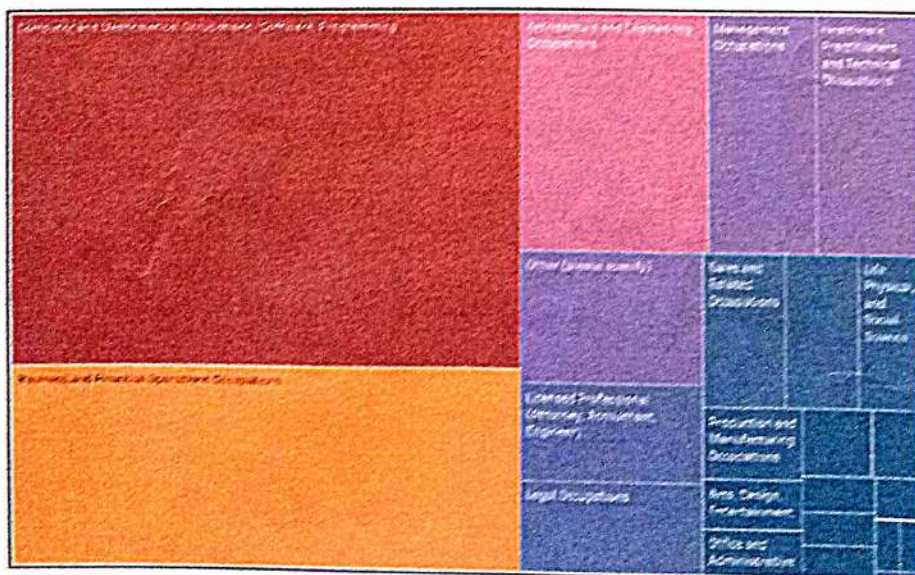


Gender
 Female
 Male
 Other/Unspecified
 Gender Group
 Female
 Male
 Other/Unspecified
 Gender
 Female
 Male
 Other/Unspecified

Activity 5:

Story of The Path To Prosperity: A Comprehensive Analysis Of Financial Independence Based On Data Taken From Reddit

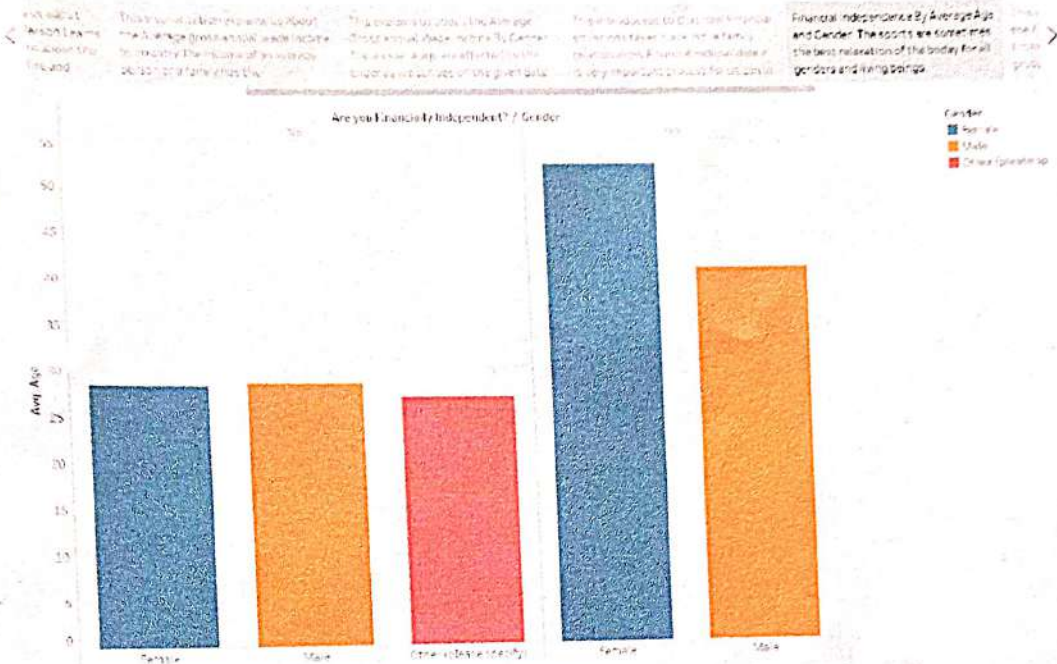
This dashboard visualizes the financial independence of Reddit users based on their occupation, age, and income. The dashboard is divided into three main sections: Occupation, Age, and Income. The Occupation section shows the average annual income for each occupation. The Age section shows the average annual income for each age group. The Income section shows the average annual income for each income bracket.



Color Legend: High Income (Blue) to Low Income (Red)

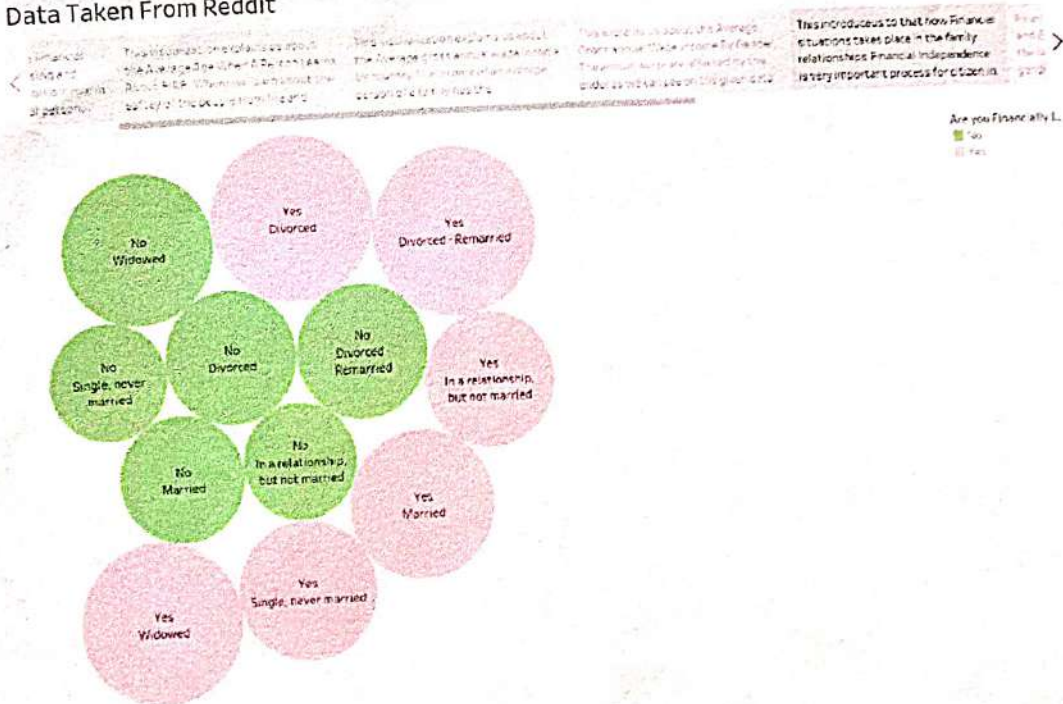
Activity 6:

Story of The Path To Prosperity: A Comprehensive Analysis Of Financial Independence Based On Data Taken From Reddit



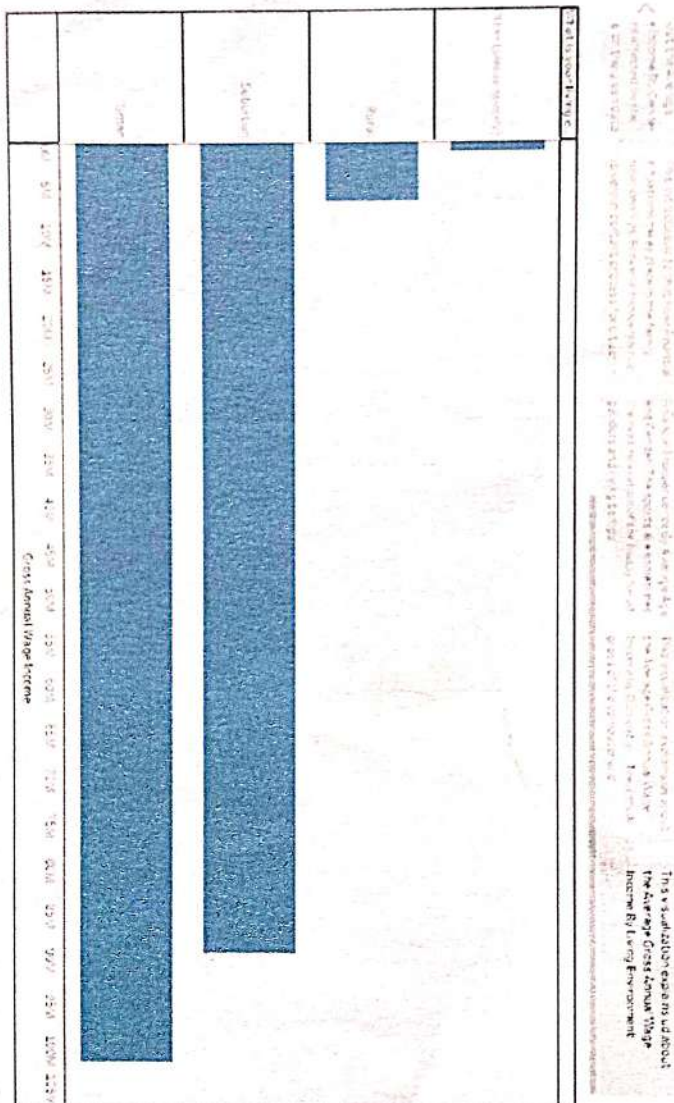
Activity 7:

Story of The Path To Prosperity: A Comprehensive Analysis Of Financial Independence Based On Data Taken From Reddit



Activity 8:

Story of The Path To Prosperity: A Comprehensive Analysis Of Financial Independence Based On Data Taken From Reddit



Q1: Q1: Average Gross Annual Wage (X-axis) | Average Net Worth (Y-axis) | Dashboard 1 | Dashboard 2 | Dashboard 3 | Story of The Path To Prosperity...

Milestone 7: Web integration

Publishing helps us to track and monitor key performance metrics, to communicate their results and progress. help a publisher stay informed, make better decisions, and communication their performance to others.

Publishing dashboard and reports to tableau public

step1: Go to dashboard/story, click on share button on the top ribbon.



Given the server address of your tableau public account and click on connect.

Step 2:

Once you click on connect it will ask you for tableau public user name and password.

Once you login into your tableau public using the credentials, the particular visualizations will be published into tableau public.

Activity 1: Dashboard and story embed with UI with flask.

Activity 2: No of calculation fields.

▶ abc GENDER

└ AGE

▶ # HOW-MA...NCOME

▶ abc RELATION...STATUS

▶ abc ARE_YO...MBINED

▶ abc Do you h...hildaen?

└ CHILDREN

▶ abc ARE_YO...NDENT-

▶ abc OCCUPATION

▶ abc HOUSING...UATION

▶ @ COUNTRY

▶ abc WHAT-I...NMENT-

└ GROSS...INCOME.

▶ abc WHAT-I...NMENT-

└ GROSS...INCOME

└ GROSS...INCOME

└ GROSS...OPERTY

└ GROSS...INCOME

└ GROSS...INCOME

└ TOTAL-O...D-DEBT

└ TOTAL...N-DEBT

└ AT-WHAT...FIRE-

Activity 3:

1. Financial Independence by Average age and Gender
2. Average gross annual wage income by Gender
3. financial Independence by housing situation & loan debt.
4. Average gross annual wage income by country
5. Average gross Annual wage income by Occupation.
6. Relationship status & Average age by financial Independence
7. Average gross Annual wage income by living environment.
8. Average age when a Person learns about FIRE.

THE PATH TO PROSPERITY[HOME](#)[ABOUT](#)[SERVICES](#)[DASHBOARD](#)[PORTFOLIO](#)[STORY](#)[TEAM](#)[CONTACT](#)[GET STARTED](#)



The Path To Prosperity: A Comprehensive Analysis Of Financial Independence Based On Data.

Create a detailed budget to track your income and expenses. Analyse your debts and liabilities, such as credit cards, loans, and mortgages. Take stock of your assets, including investments, savings accounts, and retirement funds.

**Assess Your Current Situation**

Create a detailed budget to track your income and expenses. Analyse your debts and liabilities, such as credit cards, loans, and mortgages. Take stock of your assets, including investments, savings accounts, and retirement funds.

**Determine Your Goals**

Your personal goals give purpose and direction to your financial planning. Take the time to envision your ideal future, both in the short term and the long term.

**Set Up Investments and Savings**

Research and consider different investment vehicles based on your risk tolerance and financial goals. Options such as stocks, bonds, mutual funds, and real estate can offer diverse opportunities for growth.

**Set Up Income Protection**

Your income is the lifeblood of your financial journey. It sustains your daily life and feeds your goals. Protecting it should be a top priority. Explore income protection plans, for temporary and permanent protection, to safeguard against unforeseen circumstances that could hinder your ability to earn.



Milestone 8: Web Integration

Publishing helps us to track and monitor key performance metrics, to communicate results and progress, helps a publisher stay informed, make better decisions and communication their performance to other.

Integrating dashboard / reports / stories to web

Activity 1:

Record explanation video for project end to end solution. By uploading the video on drive and make it public, then copy the link of that video and upload it in the Github.

Activity 2: Project Documentation - step by step project development procedure

Project documentation can be uploaded by creating the document part of the written work (soft copy of the written work) and then upload it in the Github by creating the project soft copy folder. By uploading the document in the github the step have completed and then assign the tasks and submit the project to the college management.