

Project report Format

1. Introduction

a) Overview -

The world is vastly unequal, extreme wealth coexists with extreme poverty. The poorest 50% of the global population share just 8% of the total income. At the same time, the richest 10% of the global population earn over 50% of the total income.

The global wealth divide refers to the unequal distribution of wealth and assets among individuals and countries around the world.

b) Purpose -

The Global wealth divide is not a purposeful creation but rather a consequence of various economic, historical and political factors. It exists due to combination of reasons

- 1) Historical Factors:- Historical events, such as colonization, imperialism and slavery, had a long lasting impact on wealth distribution.
- 2) Economic Systems:- Different economic systems such as capitalism and socialism, can influence wealth distribution.

2. Literature Survey.

a) existing approaches or methods to solve this problem -

- 1) Progressive Taxation:- Implementing progressive tax systems can help redistribute wealth from the rich to poor
- 2) Education and skills Training:- Invest in education and skills training to empower individuals to access better job opportunities and improve their earning potential.
- 3) Minimum wage legislation:- Enforce minimum wage laws to ensure that workers are paid a fair and livable wage.
- 4) Land and property Rights:- Ensure secure land and property rights especially for vulnerable populations, to promote wealth-building opportunities.
- 5) Access to healthcare and Education:- Ensure individual universal access to healthcare and education.

b) proposed solution:- Addressing global wealth inequality is a complex issue and that requires multifaceted solutions some proposed approaches include:

1) progressive taxation:- Implementing higher taxes on the wealthy and corporations can redistribute wealth and fund social programs.

2) universal basic income (UBI):- providing a basic income to all citizens can help reduce poverty and bridge wealth gaps.

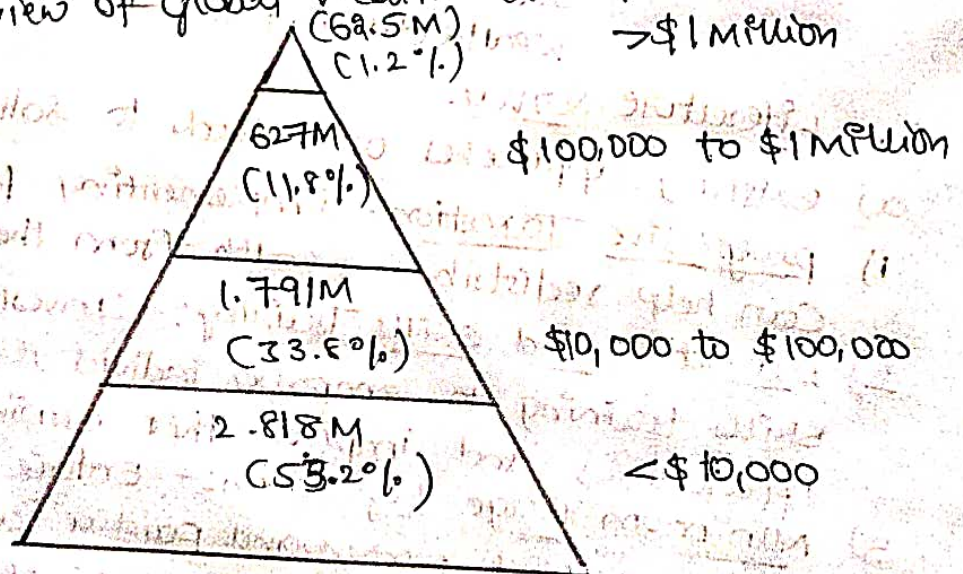
3) Education and skill Development:- Investing in Education and vocational training can empower individuals to access better job opportunities.

4) Financial inclusion:- Expanding access to banking and financial services can help individuals save and invest, reducing wealth inequality.

5) philanthropy:- Encouraging the wealthy to donate to charitable causes can address immediate needs.

3) a) Block diagram

The global wealth pyramid
An overview of global wealth divide.



Credits Suisse global wealth Report.

b) Hardware / software designing:

Hardware Design:-

- 1) Affordability:- Create a low-cost hardware solutions to ensure accessibility to underserved populations
- 2) Energy efficiency:- Develop energy-efficient devices to reduce the cost of operation and environmental impact.
- 3) Connectivity:- Focus on improving global internet access, such as through low earth orbit satellites and communication mesh networks.

Software Design:-

- 1) User Friendly Interface:- Develop intuitive and user-friendly software interfaces, considering digital literacy disparities
- 2) Open source:- Promote open-source software to encourage collaboration and lower costs.
- 3) Data privacy:- Prioritize data security and user privacy to protect vulnerable populations.

5) Advantages and Disadvantages

- Advantages of global wealth divide:-

1) Economic growth

2) Innovation

3) Charitable Giving

4) Capital Investment

- Disadvantages of global wealth divide:-

1) Migration pressures

2) Global health

3) Environmental impact

4) Political influence

5) Limited opportunities.

4.RESULT

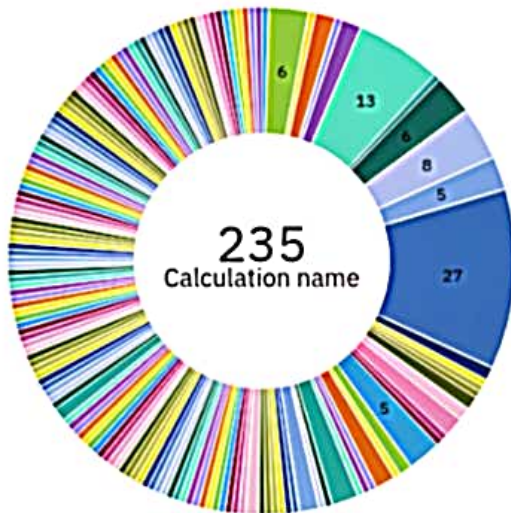
Final Findings(outputs) of the projects along with the screenshot below



Income Inequality Across The World

At what amount (in 2016 dollars) will you consider yourself:

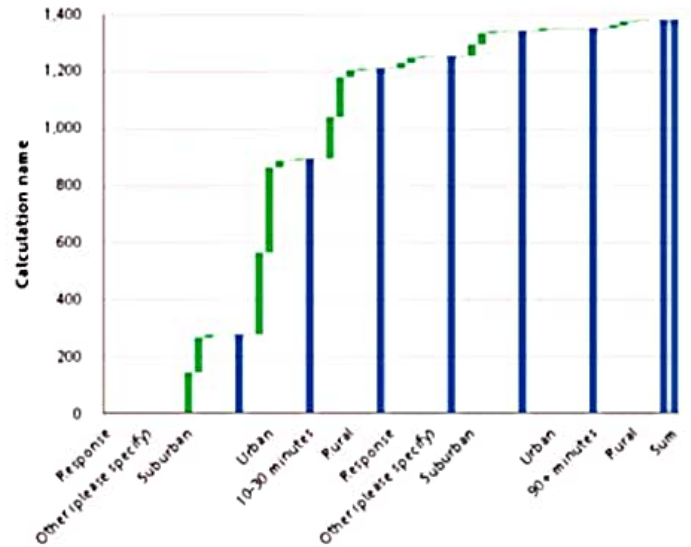
F1 1500000 45 700000 900000
 2500000 2000000 601060 500000 750000
 800000 1000000 400000 450000 850000
 7 1750000 1300000 1250000 ...



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Column values

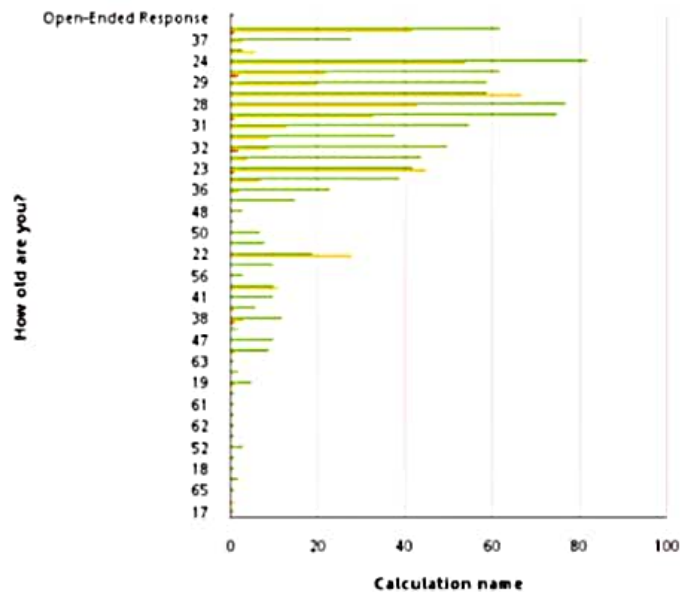
Increase Decrease Sum



How long is your commute, one way?

Do you have roommates?

Response No Yes

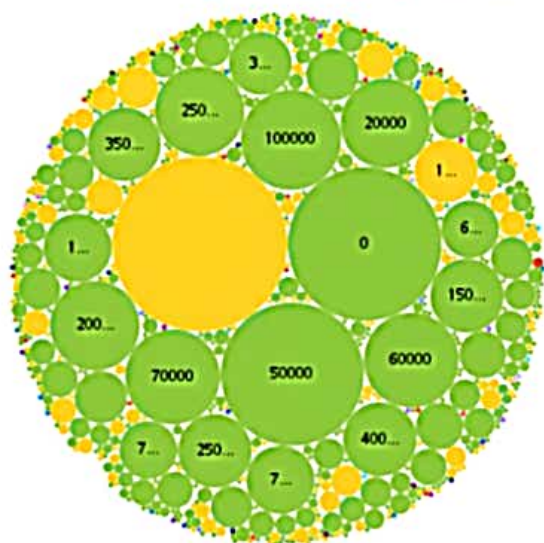


Calculation name



What is your gross household other income?

0 3 1 3 4 3 5
 4 1 3 4 4 5 2 1
 1 8 1 1 1 2 6 2
 5 6 7 1 2 2 3



Tab 1

By percent - How is your total household's portfolio allocated? Enter percents rounded to a whole, totaling 100, with no % sign. E.g. 8.7% is entered as 9.

93

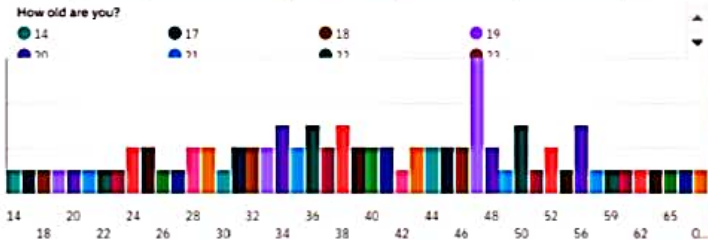
By percent - How is your total household's portfolio allocated? Enter percents rounded to a whole, totaling 100, with no % sign. E.g. 8.7% is entered as 9.

Using the following formula, what is your savings rate?How long is your commute, one way?

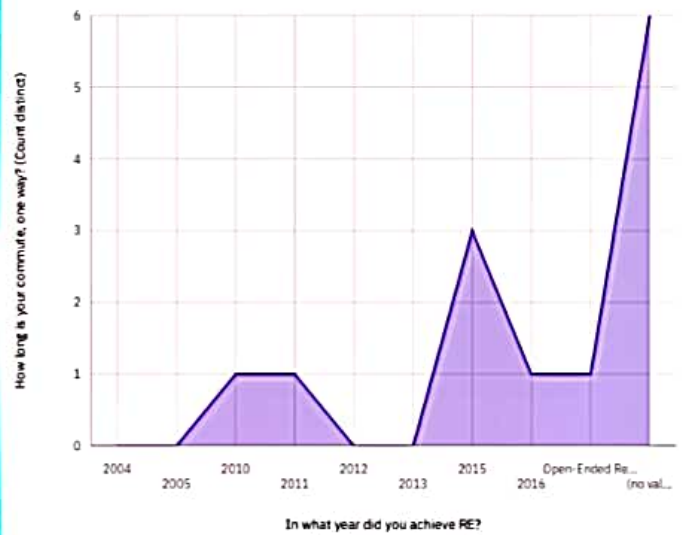
How long is your commute, one way?
● Response ● 90+ minutes ● (no value) ● 60-90 minutes ● Work at home ● <10 minutes
● 30-60 minutes ● 10-30 minutes



In what year did you achieve FI? by How old are you? colored by How old are you?



How long is your commute and one way? by In what year did you achieve RE?





<https://us3.ca.analytics.ibm.com/bi/?perspective=story&id=iE7486BD6E43F461AB039706DFD6294EF&closeWindowOnLastView=true&ob>

10/17/23, 10:28 AM

Official FI Survey Story

World's Savings Rate And Commute

- This Summary shows the Savings rate and Commute.
- 10-30 minutes is the most frequently occurring category.

Using the following formula, what is your savings rate/ How long is your commute, one way?

How long is your commute, one way?

Response: 10+ minutes 15+ minutes 15-30 minutes 30-45 minutes 45-60 minutes 60+ minutes



The Year Of Achieve RE And Average Duration Of work

- Above Bubble Chart shows the Year of achieve RE.
- Every Bubble shows Average Duration Of Work.

How long is your commute, one way? colored by In what year did you achieve RE?

In what year did you achieve RE?

no value?	2004	2005	2010
2011	2012	2013	2015
2016	Open-Ended Response		



6) Applications

Applications of Global wealth Divide:-

- 1) Economic Development
- 2) Inequality Analysis
- 3) poverty Alleviation
- 4) Trade and Commerce
- 5) social and political stability.

7) Conclusion:-

The global wealth divide remains a complex and pressing issue, with significant economic disparities between different countries and populations. Addressing this divide requires a combination of policies that promote inclusive economic growth, reduce income inequality, and ensure access to basic necessities like health care and education.

8) Future scope

The future scope of the global wealth divide remains a complex and evolving issue. Several factors will influence it, including economic trends, government policies and societal changes.

- 1) Technological Advancements
- 2) Globalization
- 3) climate change
- 4) Government policies.

Weekly report:-

Week 1:- project kick-off meeting

- objectives:
 - Define project scope and goals
 - setup project management tools and Communication channels.
- Activities:
 - Conducted a project kick off meeting
- Challenges:
 - Clarifying specific requirements for data collection

Week 2: Literature Review

- Objectives:
 - Review existing literature on Global wealth divide
 - Identify key methodologies and challenges.
- Activities:
 - Conducted an existing literature review
 - Summarized relevant findings in a literature
- Challenges:
 - Sorting through a large volume of literature for the most relevant information

Week 3: Data Collection:

- Objectives:
 - Identify and Collect relevant data sources for the project
 - Explore potential datasets for Global wealth divide
- Activities:
 - Selected appropriate gathered Global wealth divide data.
 - Established a data collection pipeline for Global-wealth divide data.
- Challenges:
 - Ensuring data Compatibility and Consistency.

Week 4: Model selection:

- Objectives:
 - Explore and select the most suitable data model for Global wealth divide
 - Set up the development on Global wealth divide.
- Activities:
 - Exploring the Global wealth divide
- Challenges:
 - Choosing the optimal data for the specific characteristics of Global wealth divide

Week 5 Initial model training:

- Objectives:
 - Assess model performance with a small subset of data
- Activities:
 - Preprocessed a small subset of data for training
 - Conducted initial model training and evaluated performance.
- Challenges:
 - Tuning hyperparameters for optimal performance.

Week 6: Model optimization

- Objectives:
 - Optimize the Global wealth divide based on initial result
 - Address any identified issues or limitations
- Activities:
 - Improved data preprocessing techniques for better model input.
- Challenges:
 - Balancing model complexity with computational efficiency

Week 7 Validation and Testing:

- Objectives:

- Validate the model with a separate test database
- Identify and troubleshoot any issues

- Activities:

- Split the dataset into training and testing sets.
- Conducted through model validation and testing

- Challenges:

- Addressing overfitting and ensuring generalizability.

Week 8 Finalization and Documentation:

- Objectives:

- Finalize the Global Health divide
- Begin documentation for the project report.

- Activities:

- Fine tuned the model based on validation results

- Challenges:

- Ensuring Comprehensive documentation of the developed data and its usage.