



**NOQ'S DIGITAL:
THE STATS SQUAD**

Case Study

on

Fixed deposits of an
individual

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INTRODUCTION

We have used PowerBI, a robust analytics tool from Microsoft to analyze the given dataset containing financial records of an individual across various banks.

The dataset includes key details such as maturity dates, amounts, bank names, principal amounts, rates of interest (ROI), duration, nominees, schemes, 15G form usage, account linkage, and maturity status.

By analyzing these elements, we aim to uncover significant trends, identify potential areas for financial improvement, and offer strategic recommendations to enhance the individual's investment strategy.





ACKNOWLEDGEMENT

I'd like to thank everyone who has been so helpful and supportive throughout this process.

First, we thank Adit Sir for supplying the sample dataset and explaining the task's precise objectives and limits. Your precise instructions and dataset were critical in creating a complete and successful dashboard.

I also like to thank the team members who provided thoughts and input during the development process. Your feedback has helped us improve the dashboard to suit practical needs and usability standards. Finally, I'd want to thank everyone who donated resources and documentation that helped guide the design and implementation of a functional and visually beautiful dashboard.

Thank you!



Task Distribution

Anushka: Dashboard Design

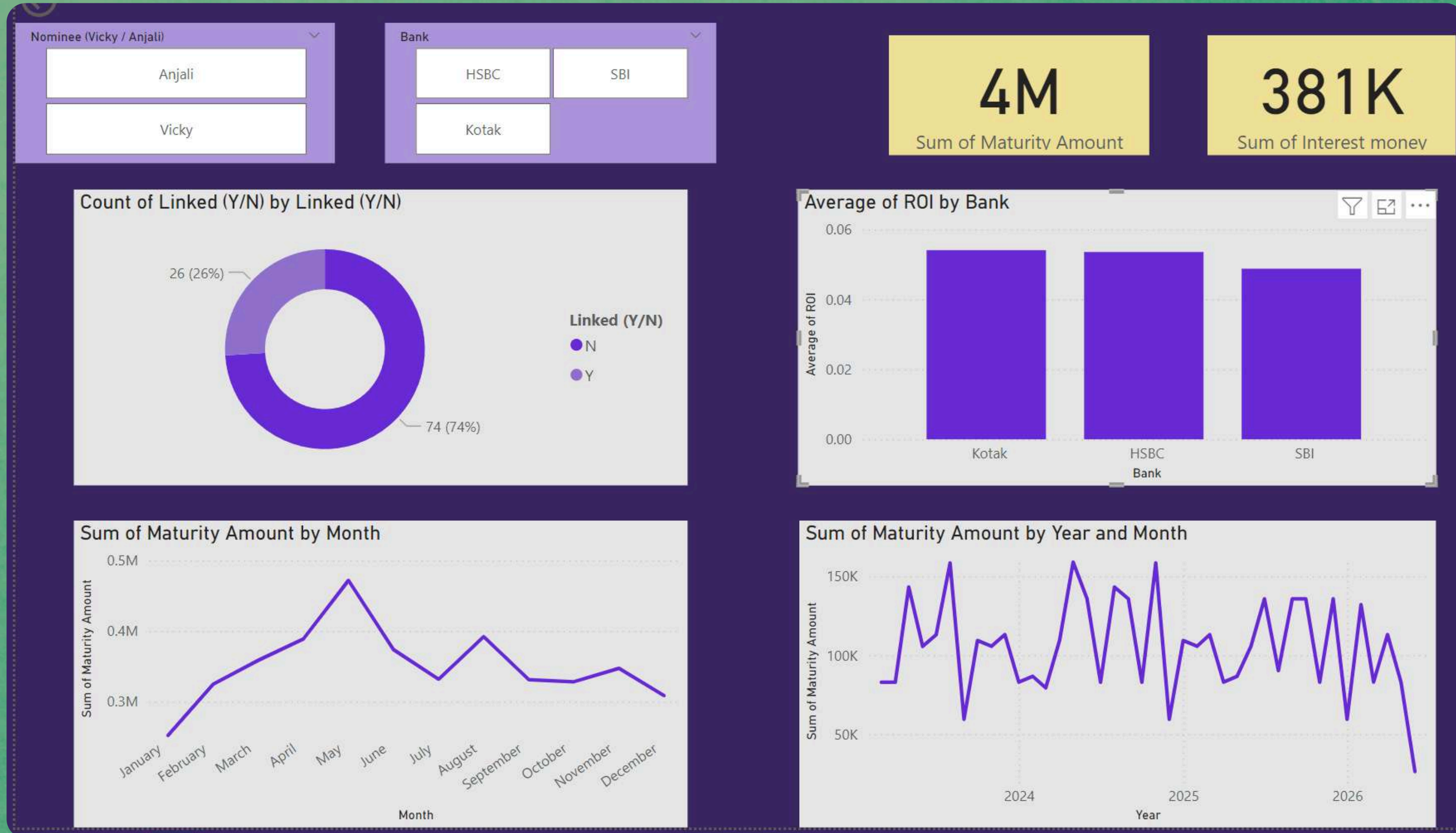
Pranav : Dashboard Analytics

Mir: Presentation Slides

Shreyansh: Presentation

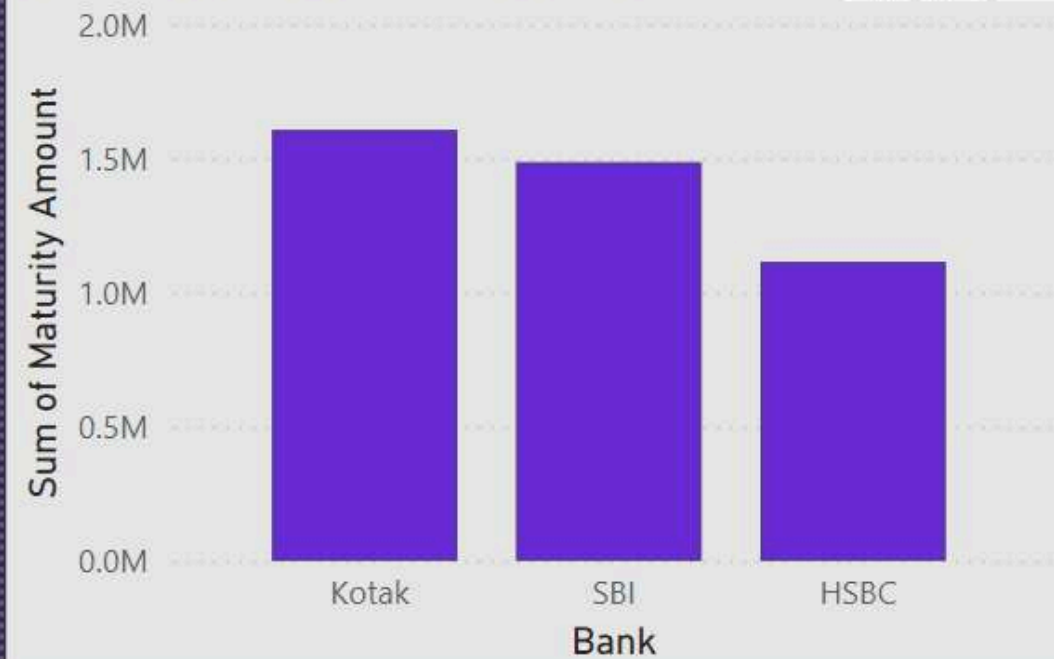
Abhiraj: Presentation

Dashboard display

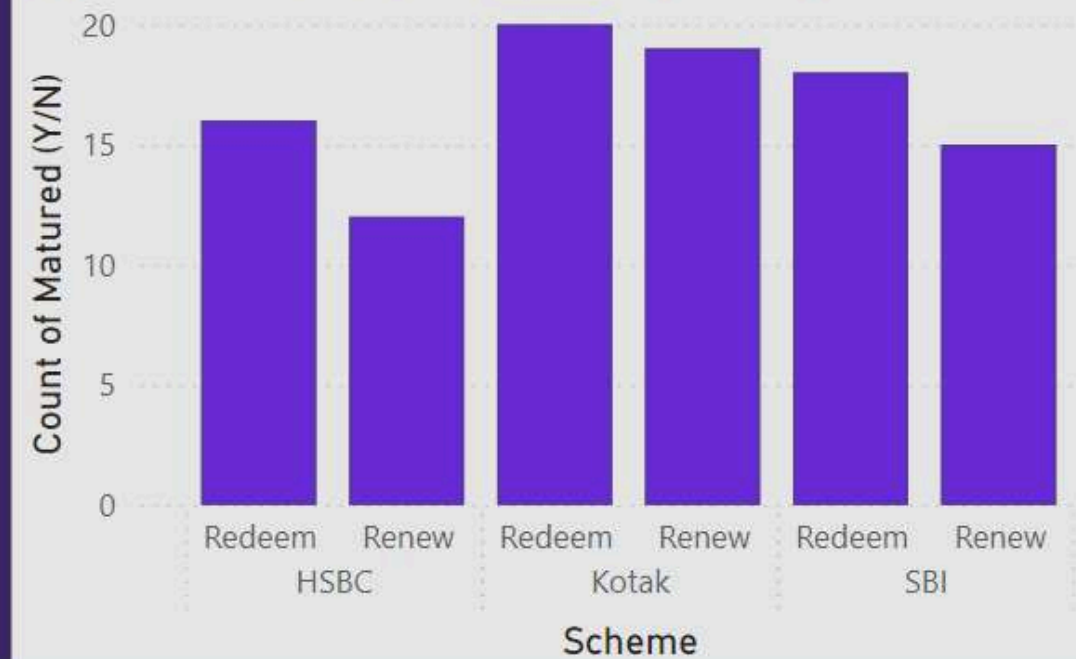


Dashboard display

Sum of Maturity Amount by Bank



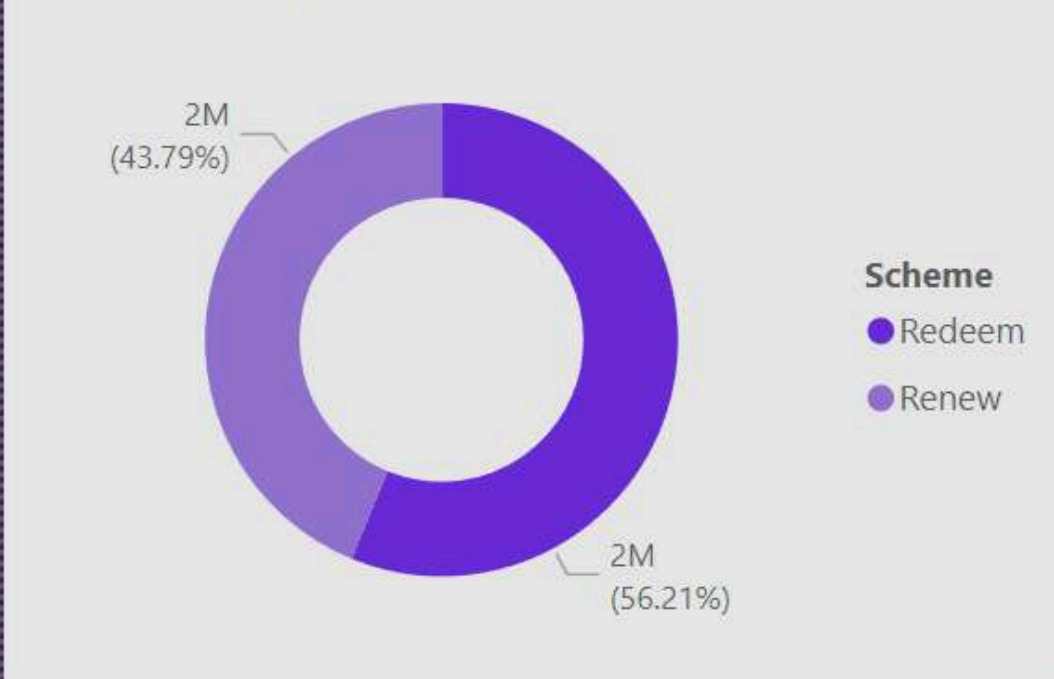
Count of Matured (Y/N) by Bank and Scheme



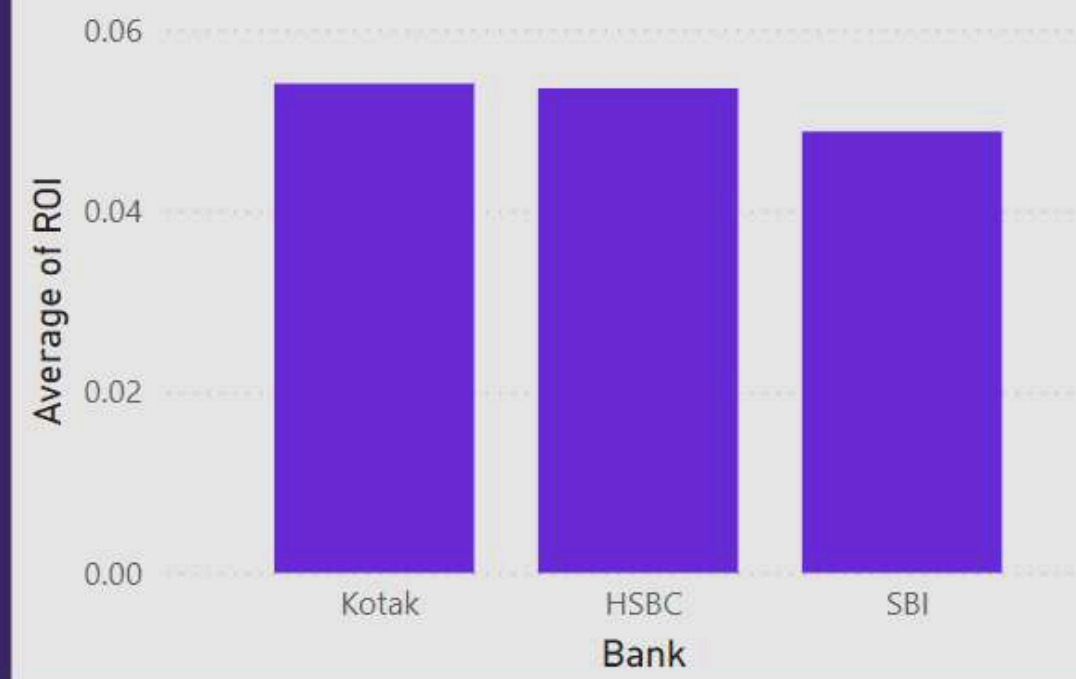
Sum of Maturity Amount by Nominee (Vicky / Anjali)



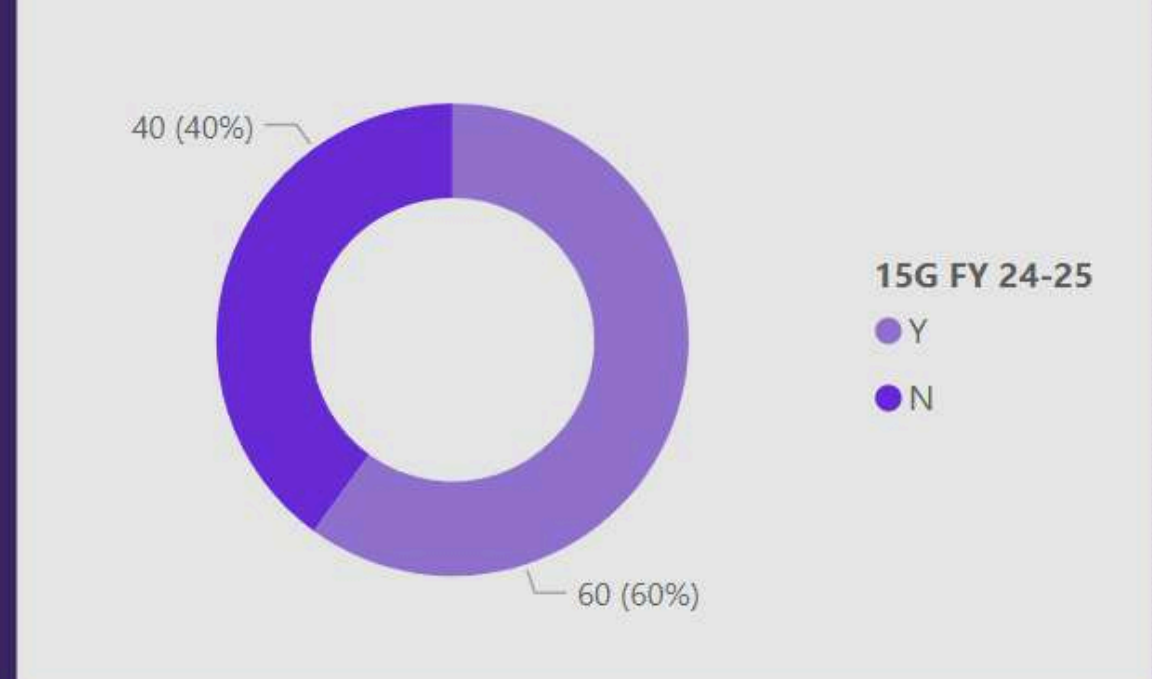
Sum of Principal by Scheme



Average of ROI by Bank

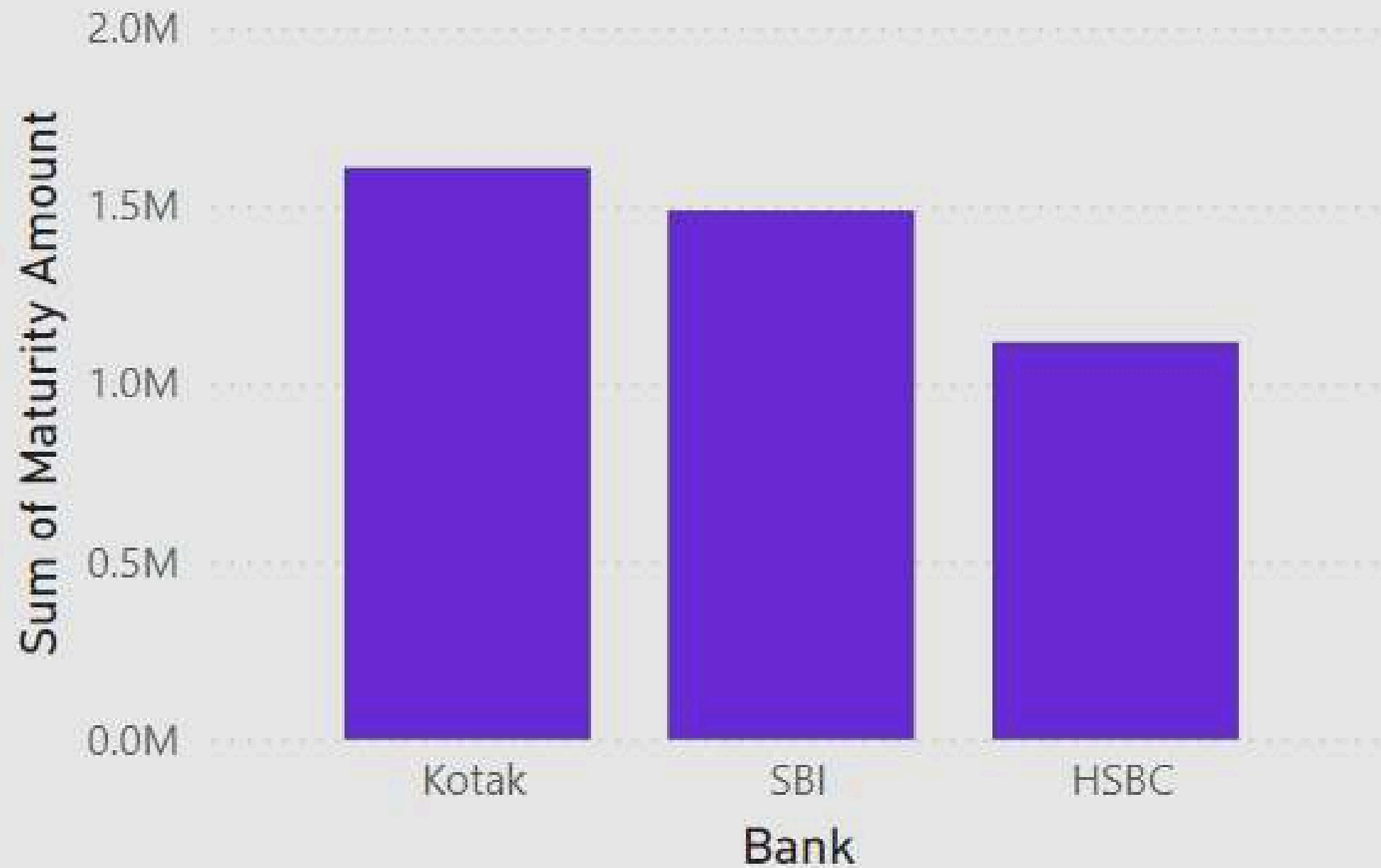


Count of 15G FY 24-25 by 15G FY 24-25



Total Maturity Amount

Sum of Maturity Amount by Bank



Amount deposited in Kotak and SBI is quite similar, however the amount in HSBC is lower by about 5 lakhs



Amount matured – by Bank and Scheme

Count of Matured (Y/N) by Bank and Scheme

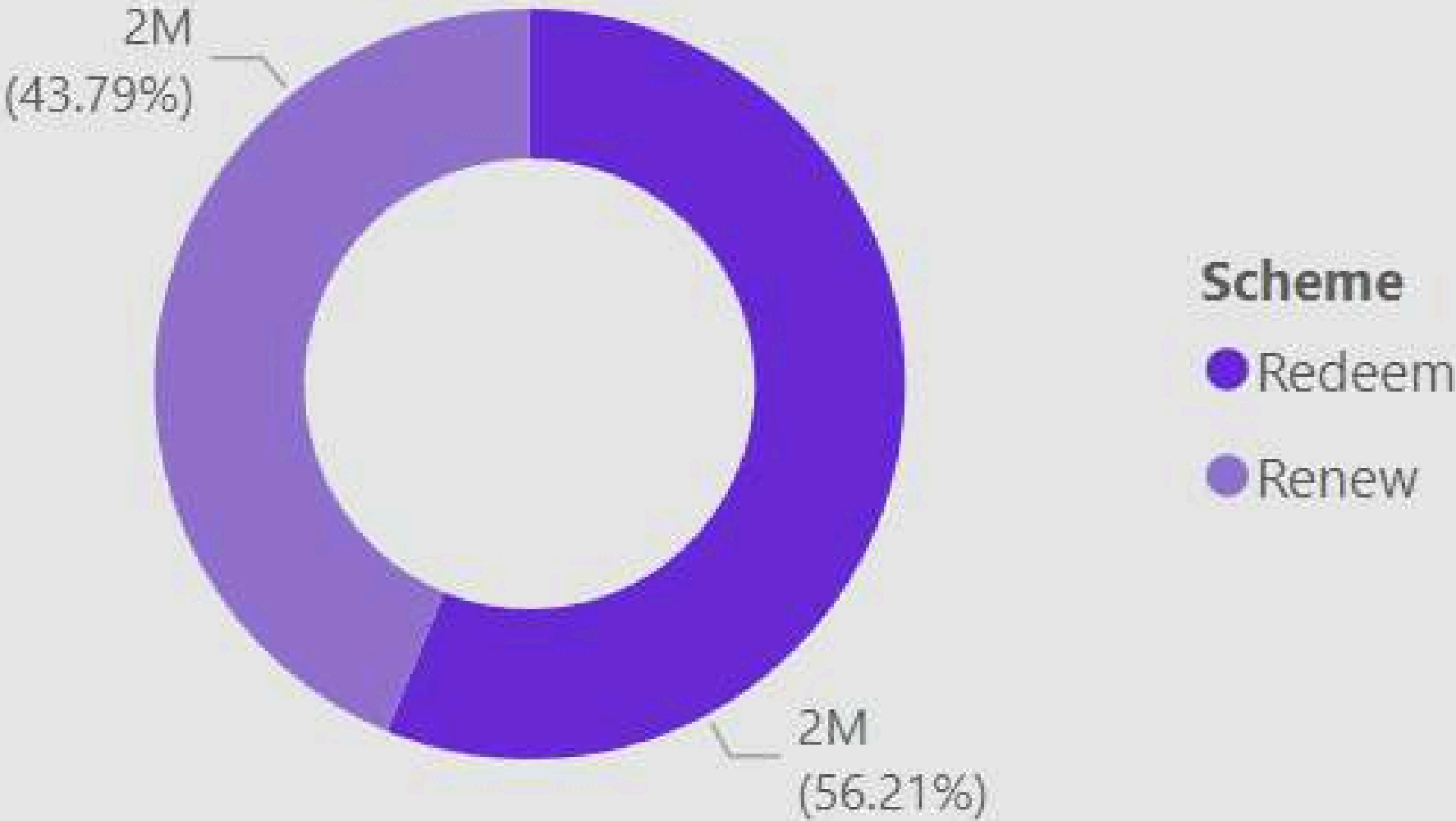


This shows us the distribution of Redeem and Renew Schemes, Bank-wise



Principal Invested Scheme-wise

Sum of Principal by Scheme



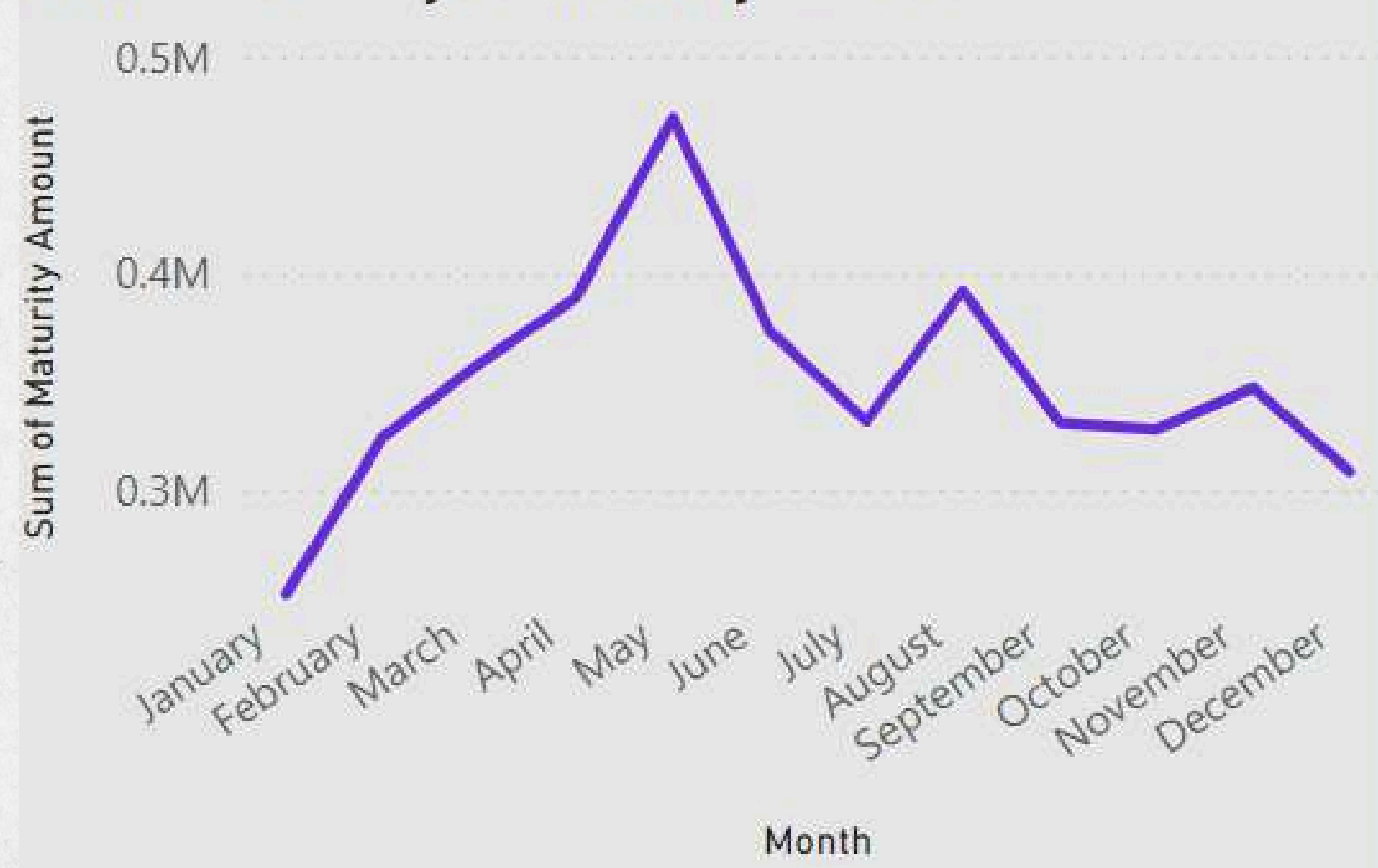
More amount has been invested in the Redeem Scheme, as compared to the Renew Scheme

The difference between the 2 schemes is ₹4.8 lakhs



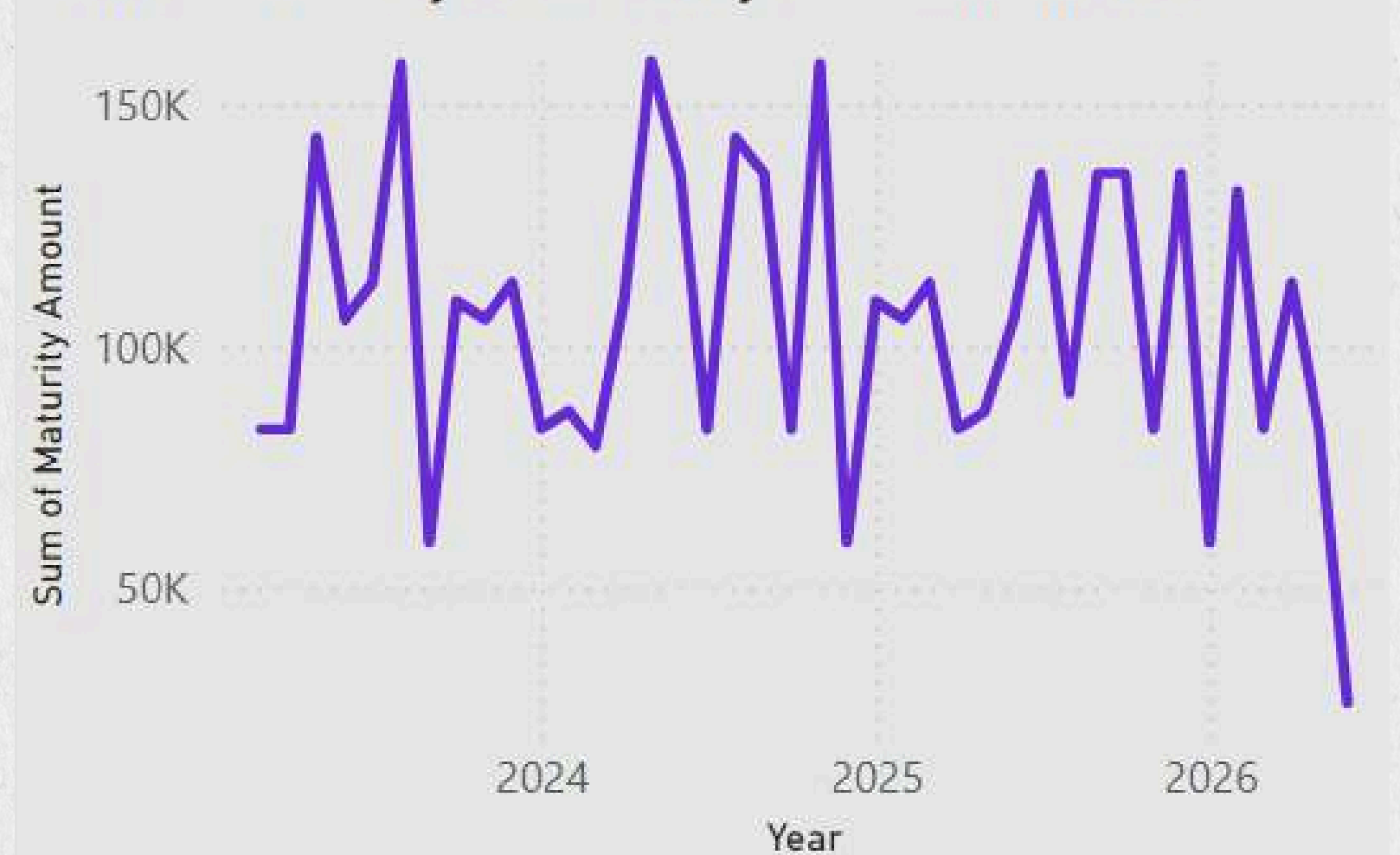
Time-wise amount distribution-

Sum of Maturity Amount by Month



Total Matured Amount reaches its peak in June

Sum of Maturity Amount by Year and Month



Nominee wise analysis

4M

Sum of Maturity Amount

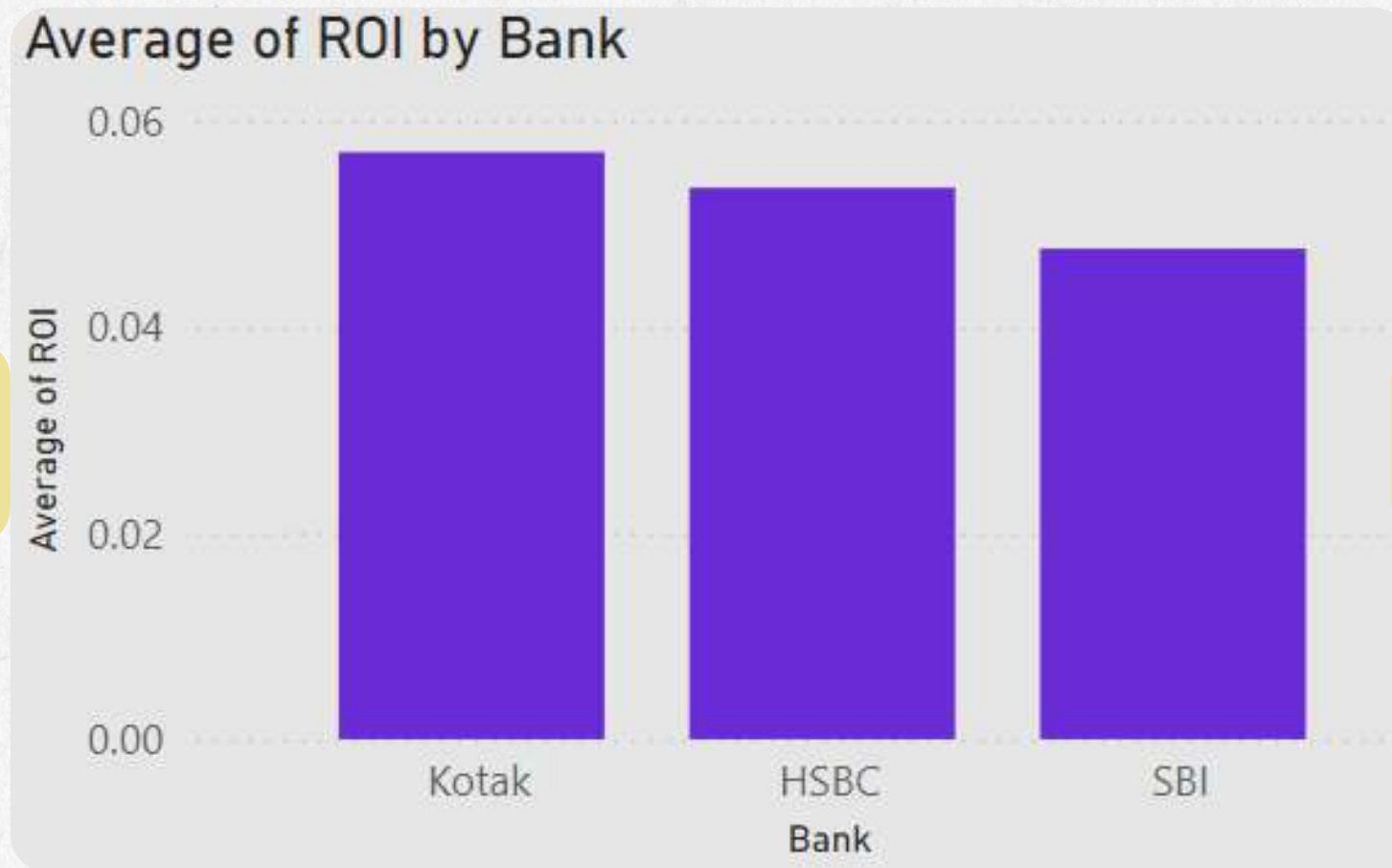
The total maturity amount for both Anjali and Vicky is roughly ₹2 million.

Anjali

Vicky

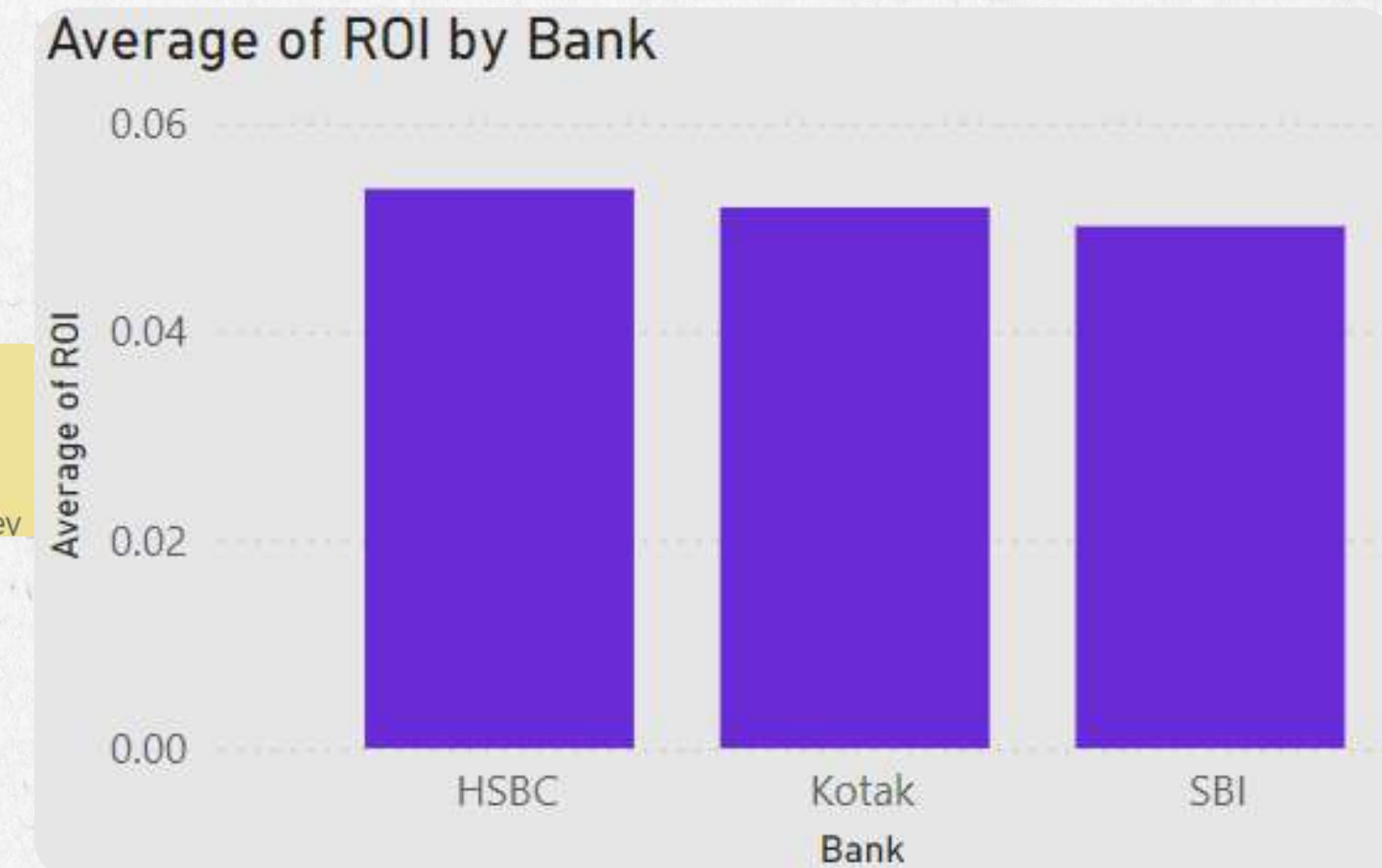
184K

Sum of Interest money



196K

Sum of Interest money



In conclusion, the average ROI of Kotak and HSBC banks is approximately the same, whereas the ROI of SBI bank is slightly lower.

Key Observations:

Banks Involved:

- Kotak: 26 FDs
- SBI: 29 FDs
- HSBC: 23 FDs

Rate of Interest (ROI):

Highest ROI: 7.60% from Kotak (1 FD)

Lowest ROI: 3.10% from multiple banks (9 FDs)

Schemes:

Redeem: 47 FDs

Renew: 31 FDs

Key Observations:

Matured Status:

Matured: 59 FDs

Not Matured: 19 FDs

Nominees:

Anjali: 46 FDs

Vicky: 32 FDs

Detailed Insights:

Interest Rate Analysis:

A significant number of FDs have relatively low ROI (3.10% – 5.10%). Only a few FDs offer higher ROI (6.25% – 7.60%).

Investment Strategy:

The owner has a mix of both redeem and renew schemes, with a slight preference for redeeming FDs.

A considerable number of FDs are maturing in the current and next year, providing opportunities to reinvest at potentially higher rates.

Diversification:

The investments are diversified across three banks, which is good for risk management.

Duration of FDs:

Most FDs are short-term (1 – 3 years), which might not leverage the benefits of compounding interest as effectively as long-term investments.

Suggestions for Improvement:

Optimize ROI:

Reinvest at Higher Rates: As FDs mature, consider reinvesting in options with higher ROI. FDs from Kotak offering 7.10% and 7.60% should be prioritized over those offering lower rates like 3.10% - 5.10%

Increase Long-Term Investments:

Leverage Compounding: Consider increasing the duration of FDs to leverage the benefits of compounding interest. Longer-term FDs often offer better rates and higher returns over time.

Evaluate Renewal Decisions:

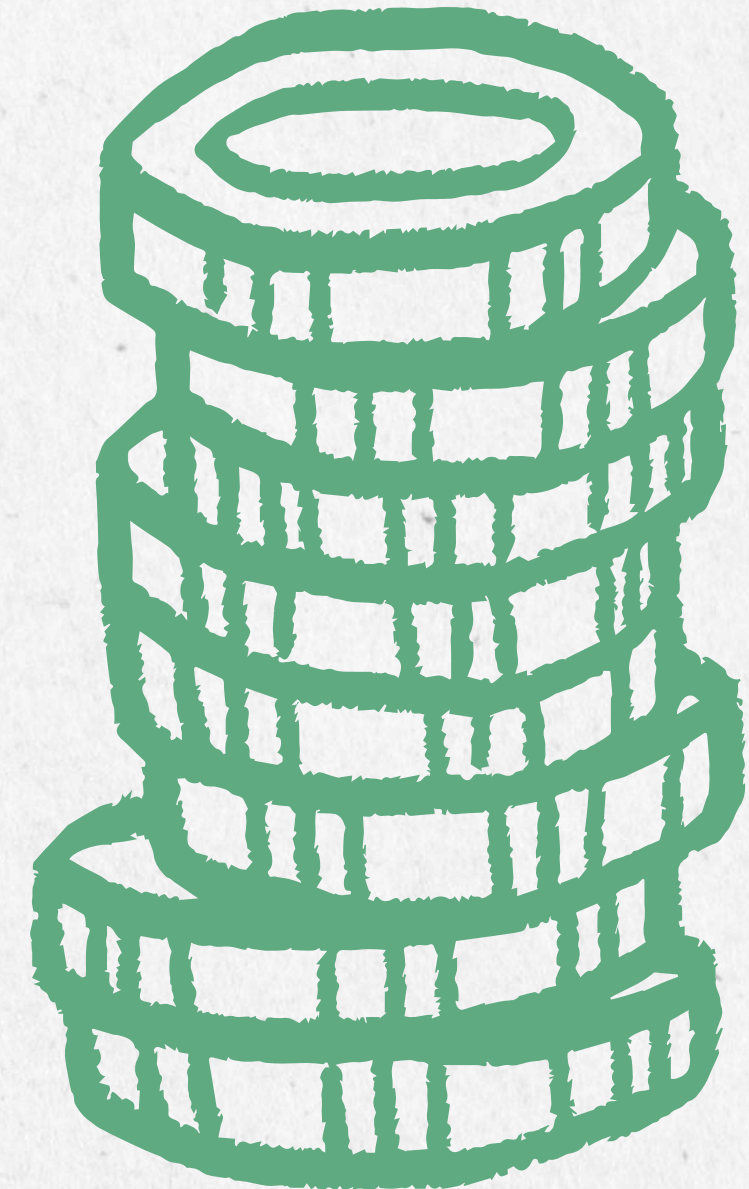
Strategic Renewals: Instead of automatically renewing all FDs, evaluate each renewal decision based on the prevailing interest rates. Renew only if the interest rates are favorable.

Tax Efficiency:

Utilize 15G Forms: Ensure proper use of 15G forms to minimize TDS (Tax Deducted at Source) on interest income, especially if the total income is below the taxable limit.

Conclusion

- Analyzing the average ROI by bank suggests that investments in Kotak and HSBC banks are likely to yield similar returns, while investments in SBI bank might yield slightly lower returns. So it may be beneficial to increase Renew Schemes in deposits with higher rate of interest.
- Investors favour Kotak and SBI with similar deposits, while HSBC receives less, possibly due to its low popularity or weaker offerings.
- The bank account holder should aim to invest in high ROI schemes with longer durations, particularly focusing on renew schemes offered by banks like HSBC and Kotak. Diversifying investments and ensuring timely reinvestment of matured funds will help in enhancing the overall financial condition. Regularly reviewing and updating nominee details and tax-saving measures are also crucial for sustained financial health



The background is a solid green color with a subtle texture. It is decorated with various white line-art icons related to finance and business. These include stacks of money, individual coins, a dollar sign, a calculator, a piggy bank, a bar chart, a hand holding coins, a target with a dollar sign, a pen, and a document with a dollar sign.

**Thank you
very much!**