

**Jayraj Menon**

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**Batch B**

**ADV Exp 7**

Description of dataset used \*

Customer\_ID Unique identifier for each customer

Age Age of the customer (in years)

Income Annual income of the customer (in USD)

Loan\_Amount Amount of the loan taken by the customer (in USD)

Loan\_Term Duration of the loan (in years)

Interest\_Rate Interest rate of the loan (percentage)

Credit\_Score Credit score of the customer

Insurance\_Claim Amount claimed in insurance (in USD)

Policy\_Type Type of insurance policy (e.g., Health, Auto, Life)

Transaction\_Date Date of each credit card or loan transaction

Transaction\_Amount Amount for each transaction (in USD)

Stock\_Price Historical stock price (for stock market visualization)

Sector Business sector for stock market data (e.g., Tech, Finance)

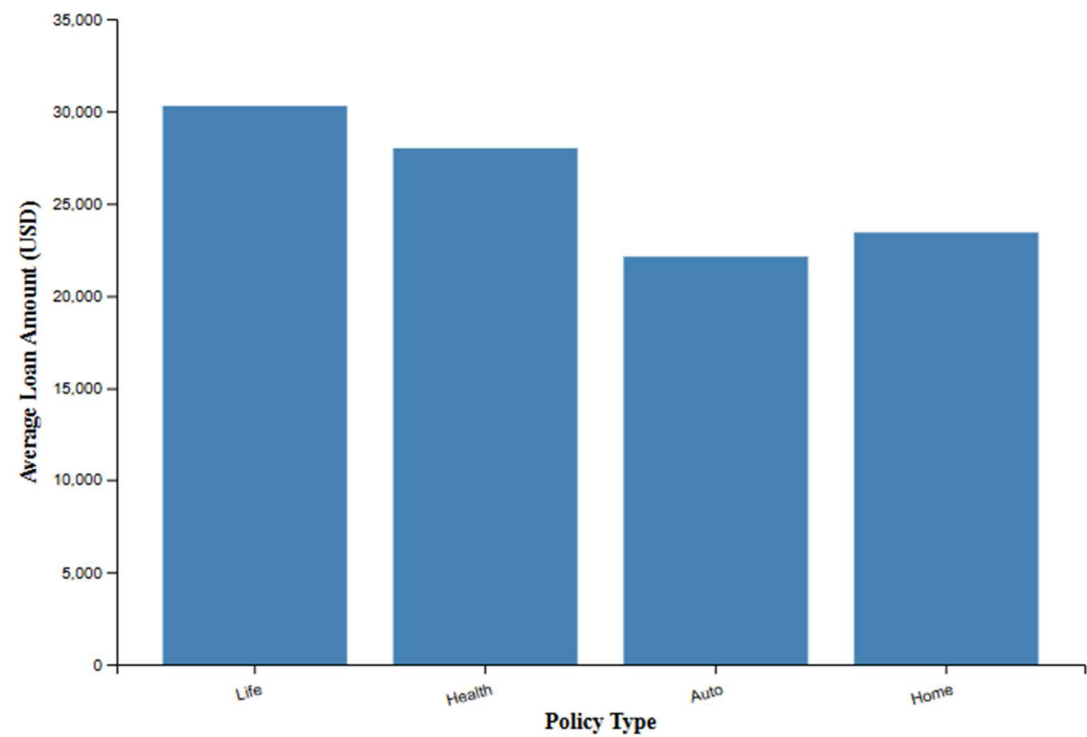
Transaction\_Type Type of transaction (e.g., Purchase, Refund, Cash Withdrawal)

Link of dataset used \*

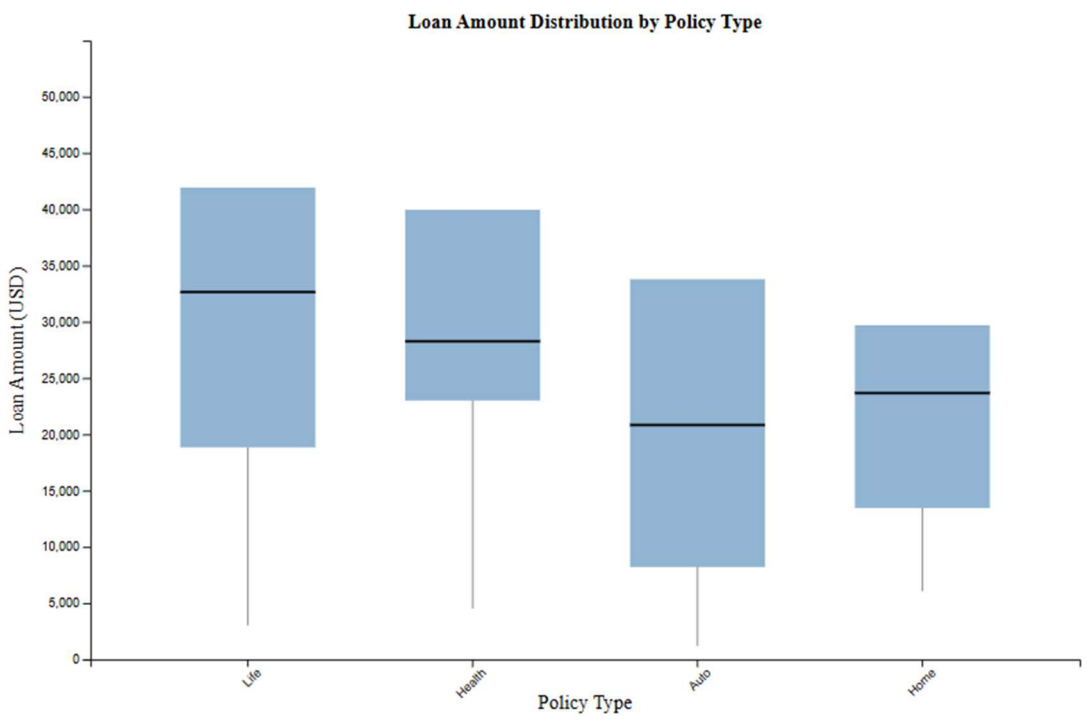
[https://drive.google.com/file/d/1mUiA80jqaNsjBmYPxjencXP\\_0DO2Q6p/view?usp=sharing](https://drive.google.com/file/d/1mUiA80jqaNsjBmYPxjencXP_0DO2Q6p/view?usp=sharing)

Visualizations:

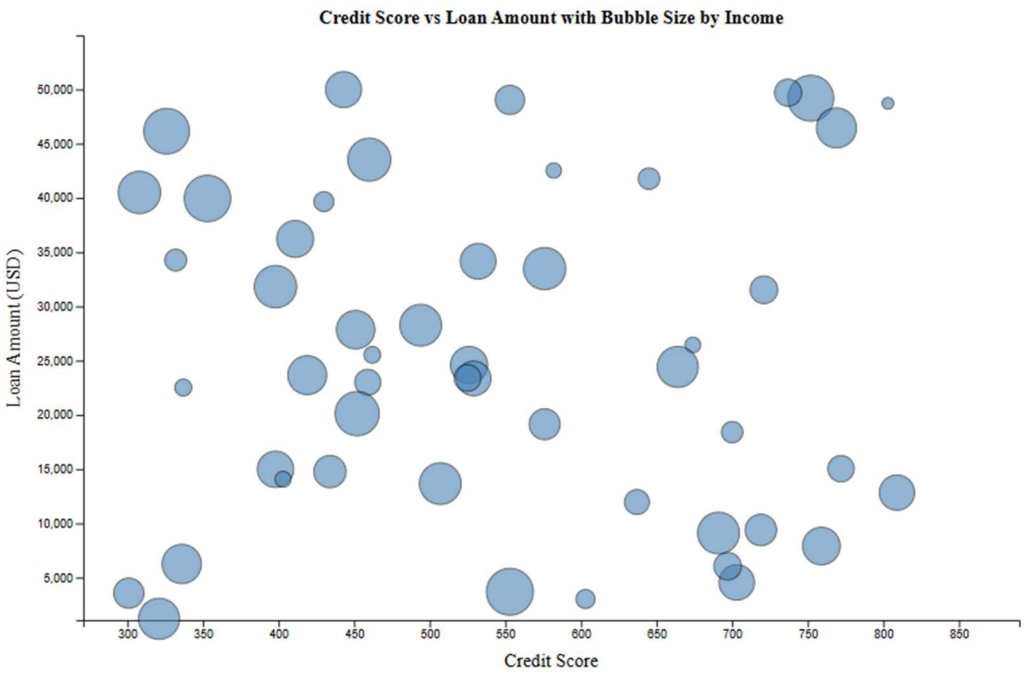
**Average Loan Amount by Policy Type**



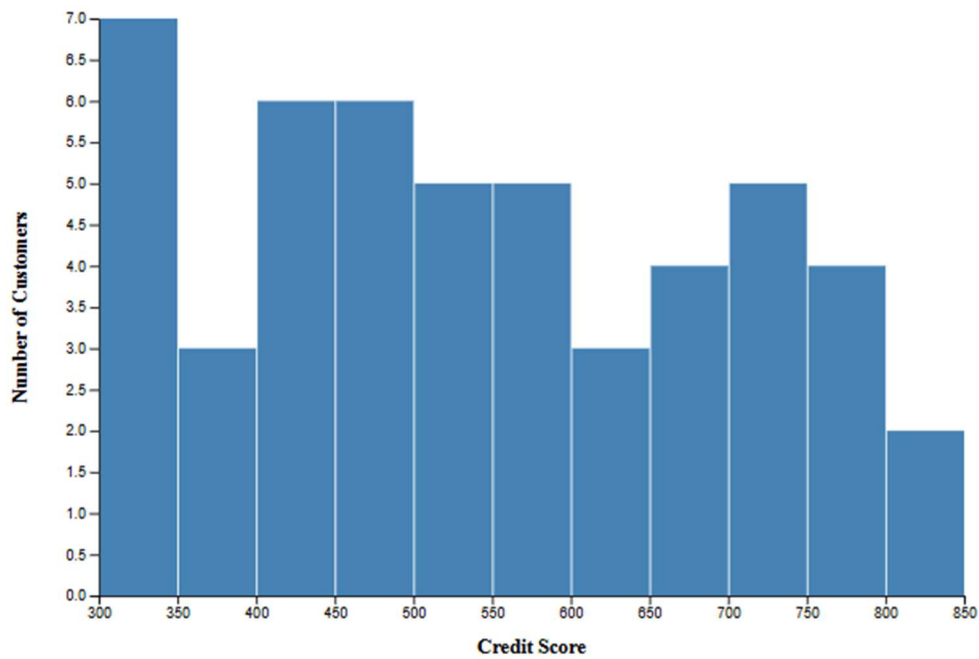
**Box and Whisker Plot: Loan Amount by Policy Type**



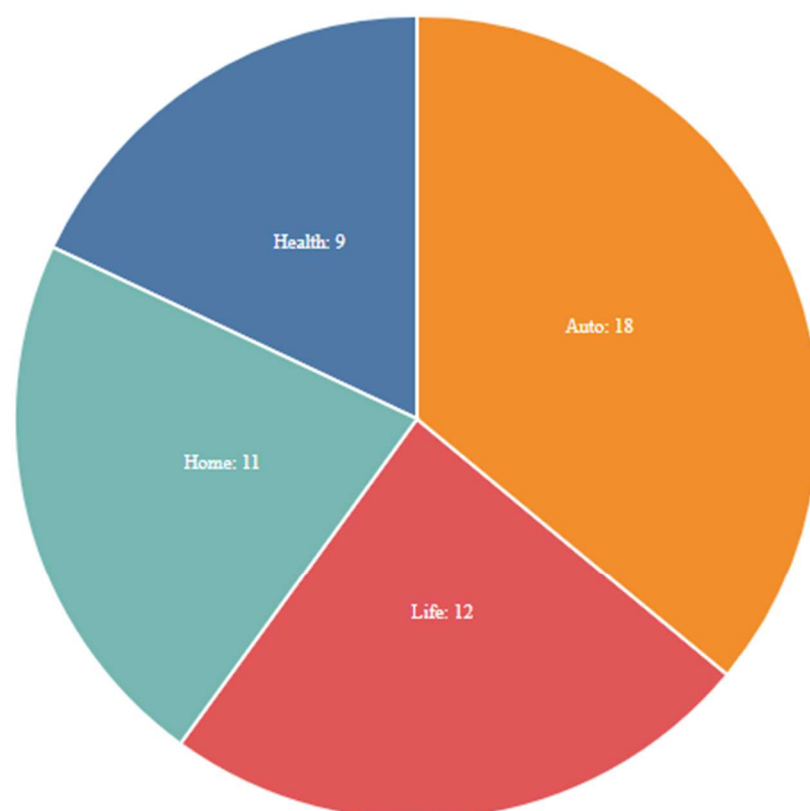
**Bubble Plot: Credit Score vs Loan Amount**



**Distribution of Credit Scores**



## Distribution of Policy Types



# Relationship between Credit Score and Loan Amount

