

# Financial Data Account Summary of ABC Company

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# Business Understanding

An ABC company has released their financial data which has various data of accounts and also has the data of income and money paid to those accounts.

They want to create a financial dashboard with help of the data to analyze the finances of their company.

We will perform Exploratory Data Analysis to check the trends and insights.

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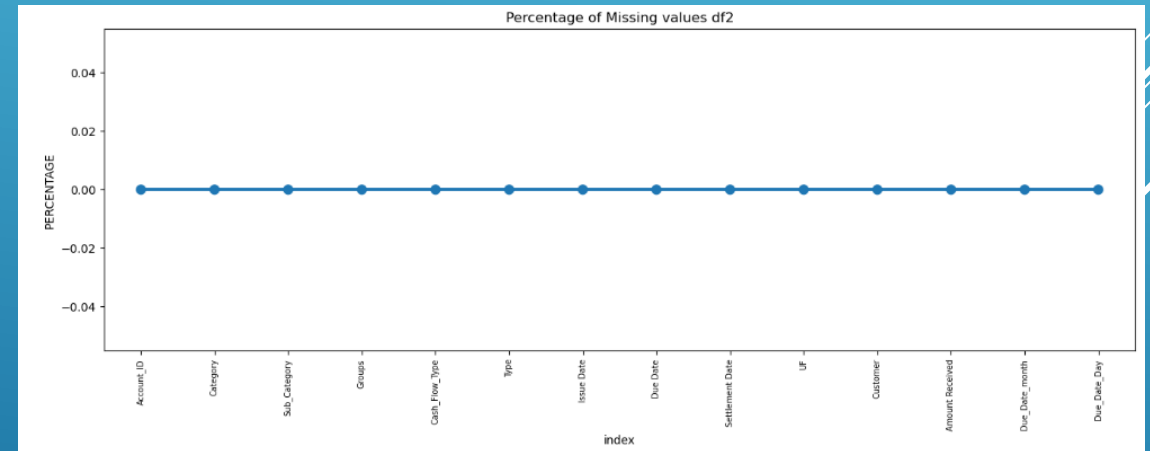
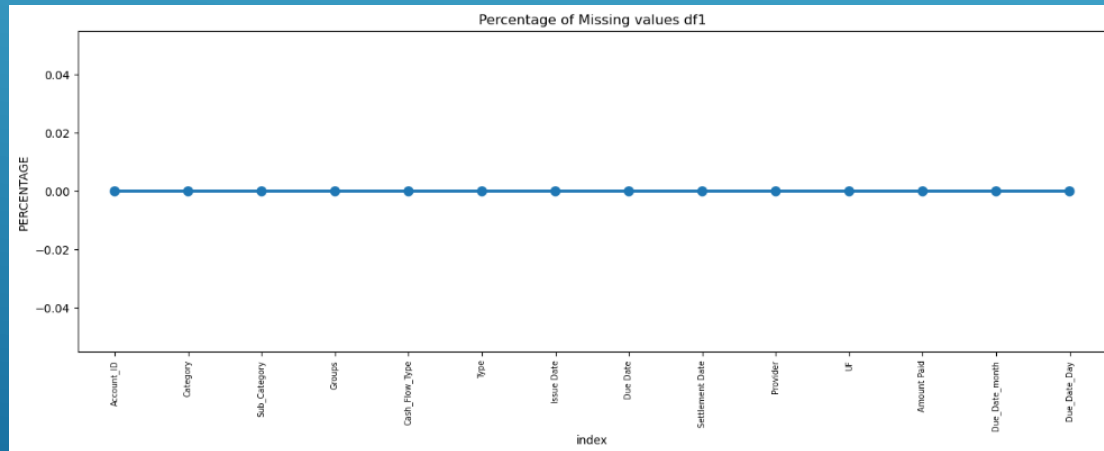
# Data Collection and Description

The financial dashboard will encompass several key components to provide a holistic view of the company's financial health.

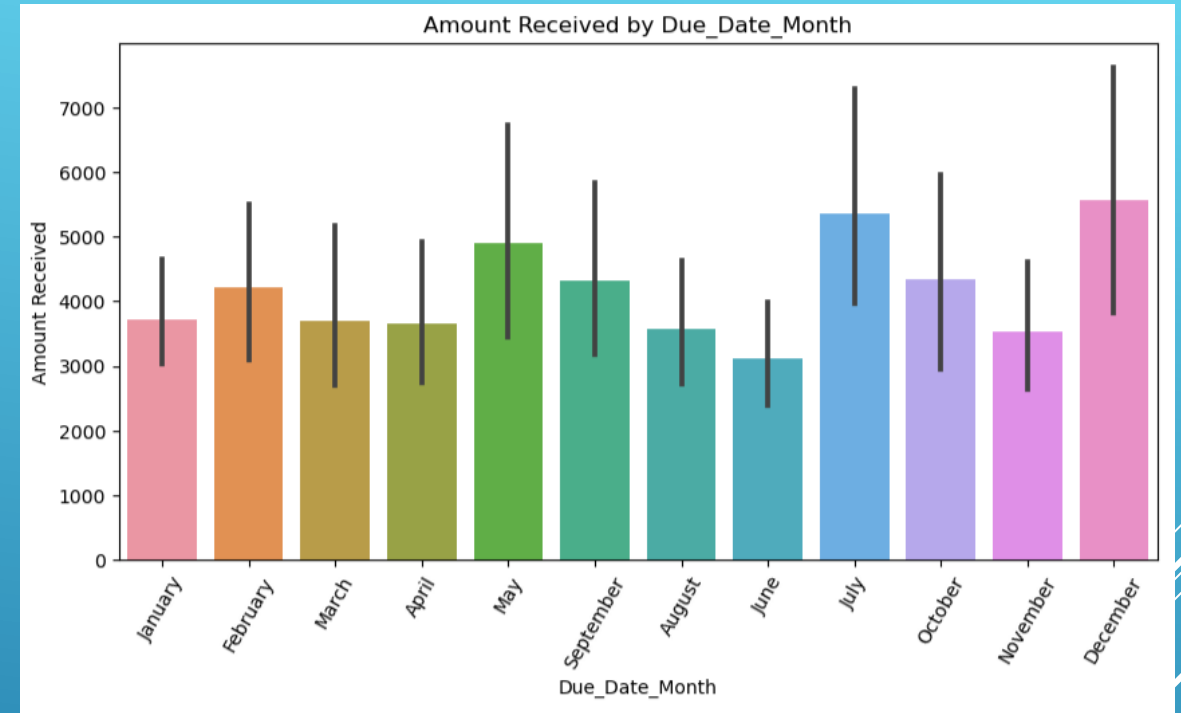
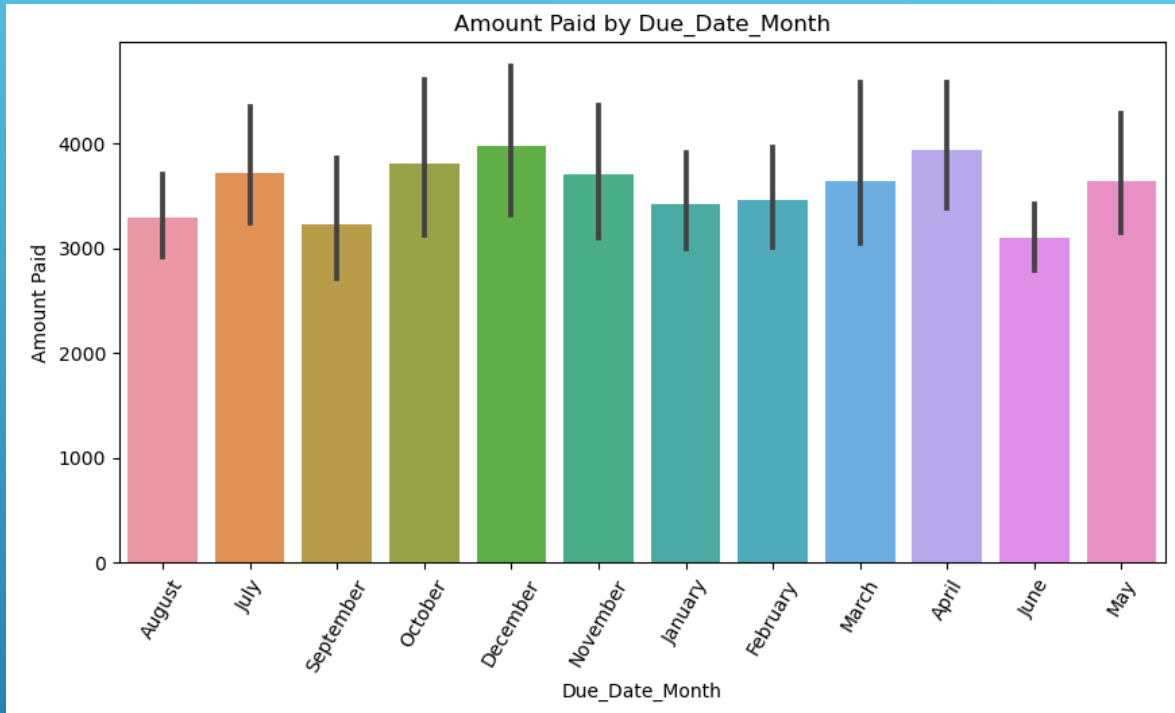
- Important Key Performance Indicators (KPIs)
  - Different Revenue Through Time
  - Expenses by Account Type
  - Cash Flow Statements for Various Months
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- Several white lines of varying lengths and slopes are positioned in the bottom right corner of the slide, creating a modern, abstract graphic element.

# Missing Data - Initial Intuition

- Here we don't have any missing value.
- If there are fewer missing values, we use regression to predict the missing values or fill the missing values with mean of the values present.



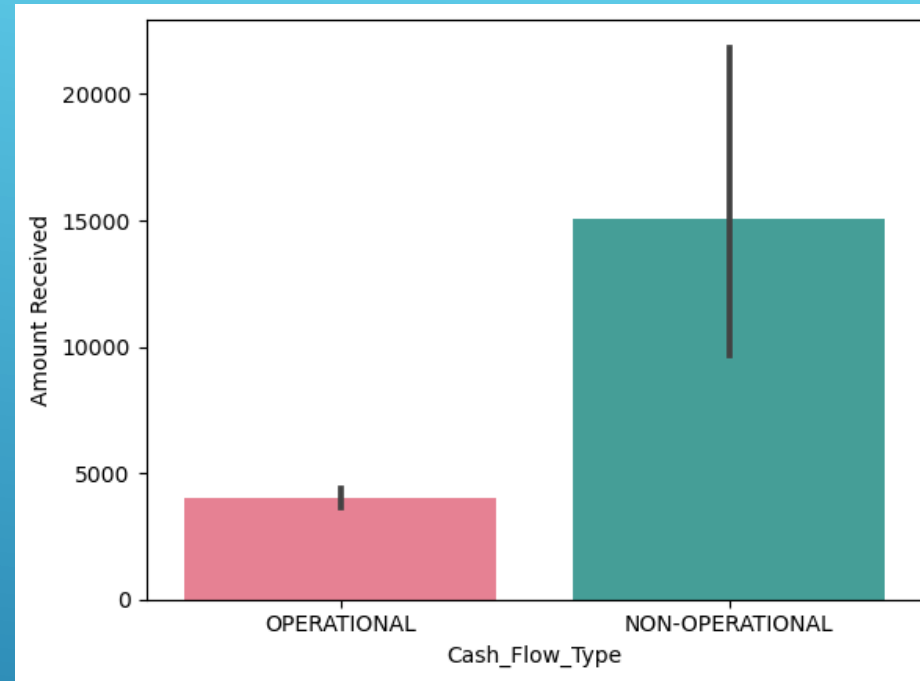
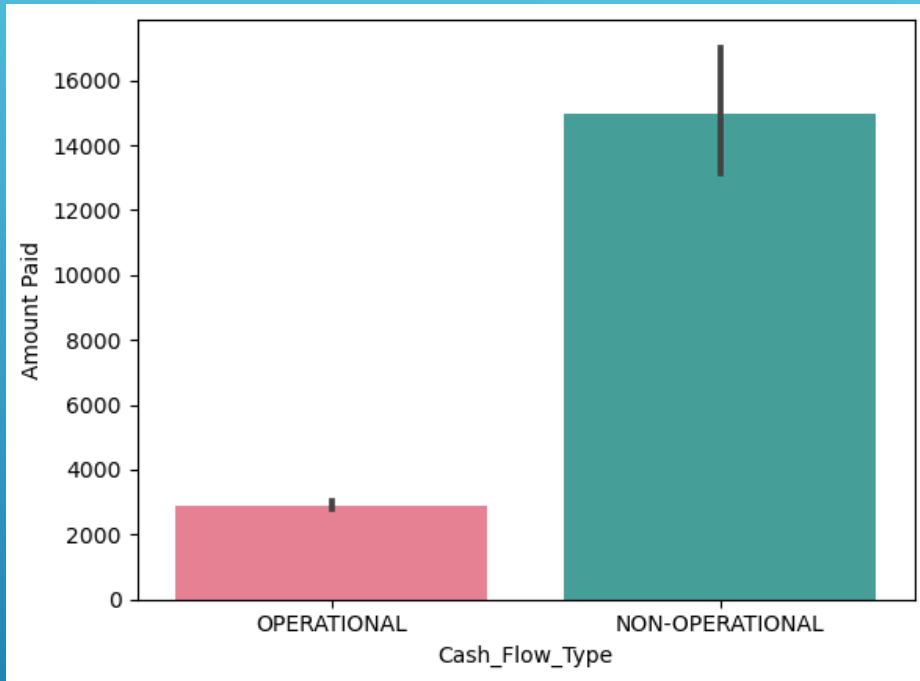
# Different Revenue Through Time



## Insights:

- April month has the highest number of payments paid and June has the lowest number of payments paid.
- December month has the highest number of payments received and June has the lowest number of payments received.

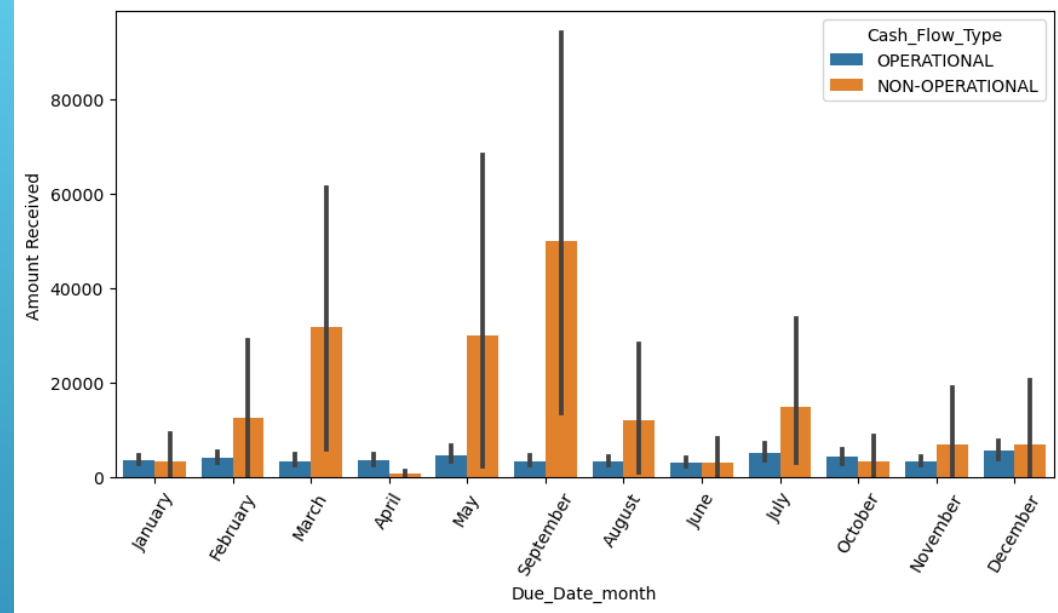
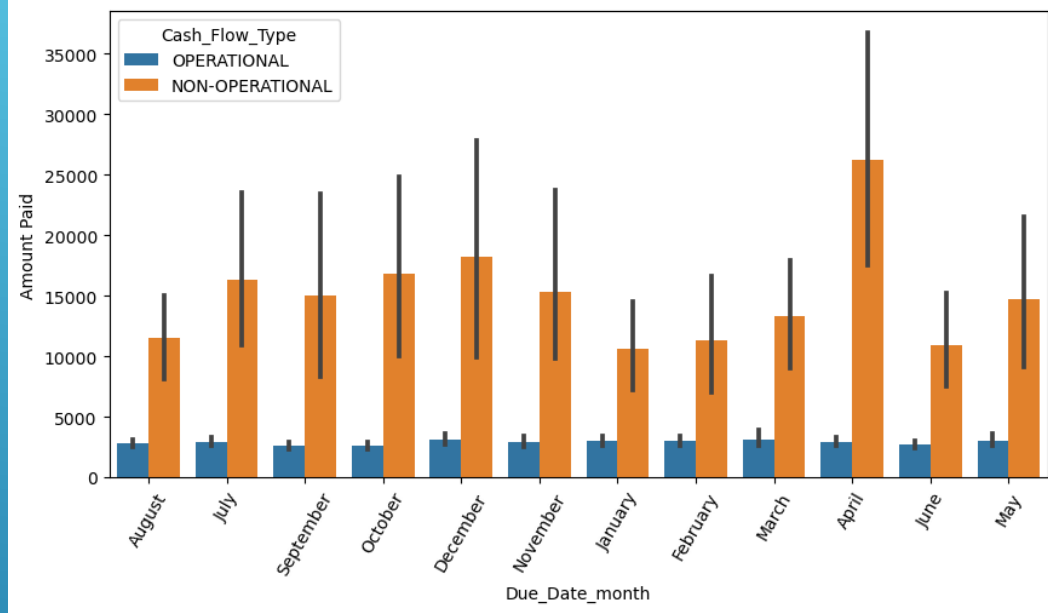
# Percentage of Cash Flow Types



## Insights:

- Majority of Payments Paid is Non-Operational as shown above.
- Majority of Income Received is Non-Operational as shown above.

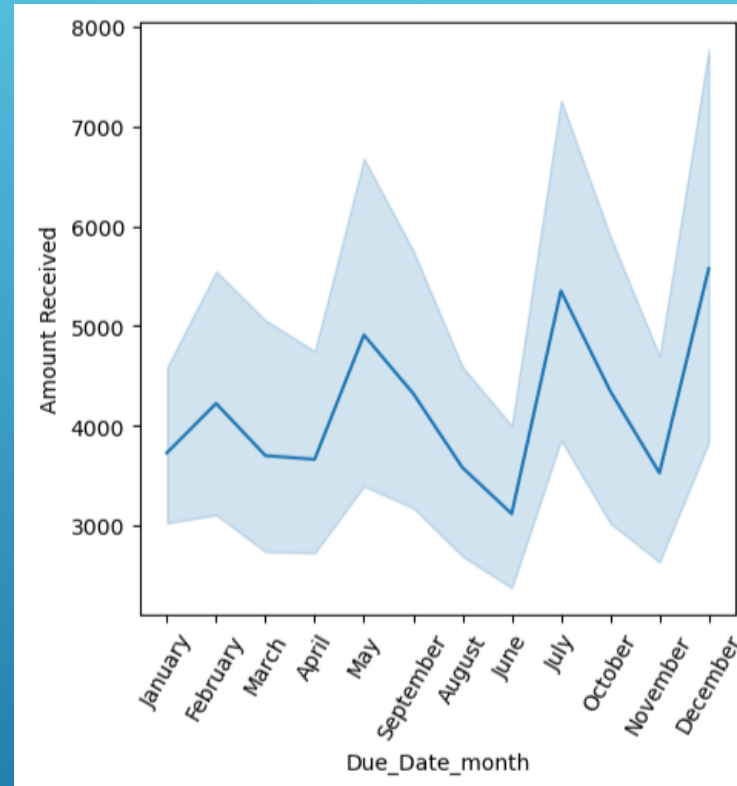
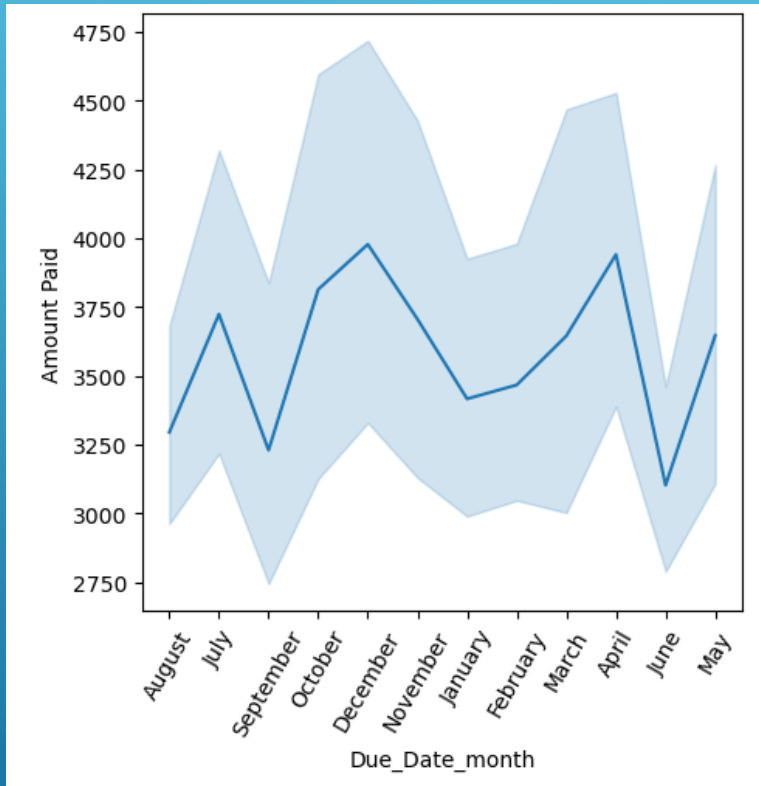
# Cash Flow Statements for Various Months



## Insights:

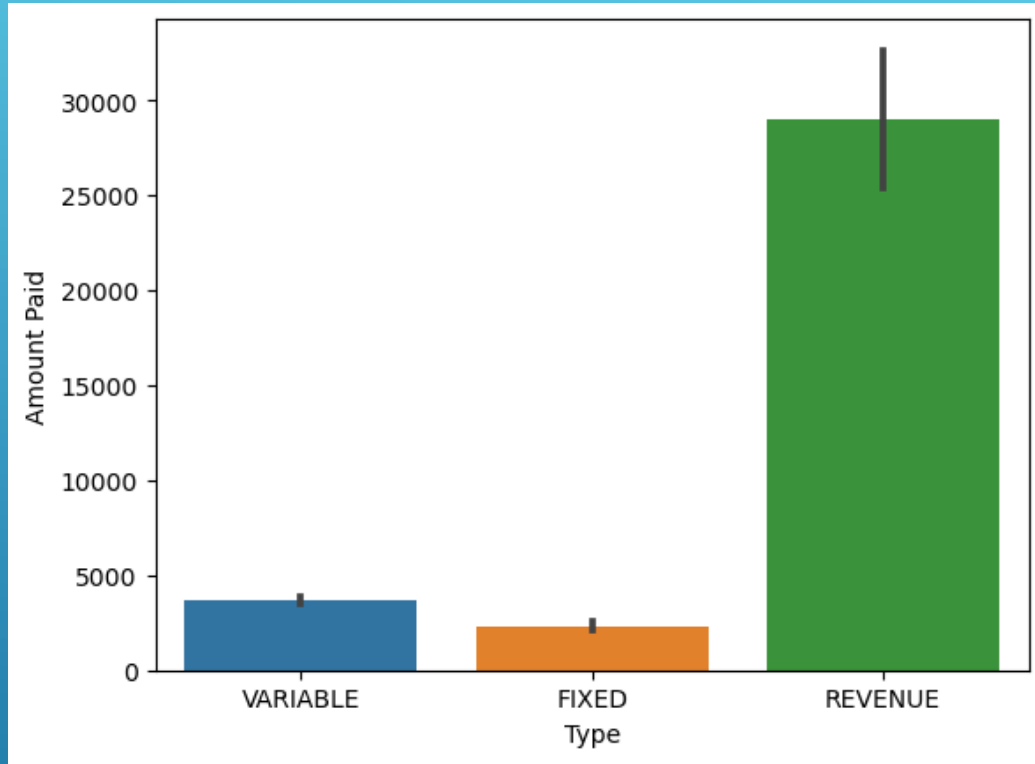
- April month has the highest number of Non-Operational Cash Flow Type whereas January month has the lowest Non-Operational Cash Flow Type. All the months have pretty much the same operational Cash Flow Type.
- September month has the highest number of Non-Operational Cash Flow Type whereas April month has the lowest Non-Operational Cash Flow Type. All the months have pretty much the same operational Cash Flow Type.

# Cash Flow Statements for Various Months Using Line Graph





# Expenses By Account Type



## Insights:

- Revenue account type has the highest amount paid compared to Variable and Fixed.

# Conclusion

- By analyzing the above graph, we see that April month has the highest number of payments paid and November has the lowest number of payments paid.
  - For Cash Flow Type, the majority of payments paid is Non-Operational as shown above.
  - For Amount Paid, April month has the highest number of Non-Operational Cash Flow Type whereas January month has the lowest Non-Operational Cash Flow Type.
  - All the months have pretty much the same operational Cash Flow Type.
  - By analyzing the above graph, we see that December month has the highest number of payments received and June has the lowest number of payments received.
  - For Cash Flow Type, the majority of Income Received is Non-Operational as shown above.
  - For Amount Received, September month has the highest number of Non-Operational Cash Flow Type whereas April month has the lowest Non-Operational Cash Flow Type.
  - All the months have pretty much the same operational Cash Flow Type.
- Therefore, Revenue account type has the highest amount paid compared to Variable and Fixed.