

## Financial Budget vs. Actual Analysis

In this Power BI project, I developed a **Financial Budget vs. Actual Analysis** dashboard to compare budgeted financial figures against actual performance, enabling businesses to track and assess financial performance across departments or projects. The dashboard focused on key metrics such as **Variance Analysis**, **Expense Ratios**, and **Trend Insights** to provide a clear and actionable overview of financial health.

### **Key Features and Approach:**

#### **1. Data Integration and Modeling:**

- I integrated both budgeted and actual financial data into a unified Power BI model, ensuring data consistency across multiple departments or projects. This involved cleaning, transforming, and structuring the data for optimal performance in Power BI.
- Relationships were carefully designed to connect budgeted vs. actual data, supporting seamless comparison and drill-down capabilities.

#### **2. Variance Analysis:**

- I created DAX measures to calculate **variance** between budgeted and actual figures. These measures were visualized in bar and line charts, highlighting over- or under-performance for each department or project.
- The variance was broken down into percentage differences to help stakeholders quickly identify areas that require attention.

#### **3. Expense Ratios:**

- I developed **Expense Ratio** metrics, such as the actual expenses as a percentage of the budget, to evaluate financial efficiency. These were visualized using gauge charts and KPI indicators, offering a quick snapshot of whether each department or project was operating within its financial means.

#### **4. Trend Analysis:**

- I incorporated time-based trend visualizations to illustrate how budget vs. actual performance evolved over months or quarters. This allowed users to identify long-term trends, seasonal patterns, and potential financial challenges ahead.
- Trend charts helped in making future projections based on past performance, enhancing forecasting accuracy.

#### **5. Interactive Dashboards:**

- The final dashboard featured interactive slicers, enabling users to filter data by department, project, or time period. This interactivity allowed for in-depth analysis, empowering stakeholders to drill down into specific areas for detailed insights.

### **Outcome:**

The Power BI **Financial Budget vs. Actual Analysis** dashboard provided clear and actionable insights into financial performance. Stakeholders were able to monitor budget adherence, assess variances, and make informed decisions regarding resource allocation and cost management. The use of interactive visualizations facilitated quick decision-making and contributed to improved financial oversight.

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### KPIs Summary

Department	Budgeted Revenue	Actual Revenue	Budgeted Expenses	Actual Expenses	Actual Expense Ratio	Budgeted Expense Ratio
HR	1860000.0	1750000.0	810000	783000	96.67%	43.55%
IT	2460000.0	2465000.0	930000	924000	99.35%	37.80%
Marketing	3060000.0	3095000.0	1290000	1310000	101.55%	42.16%
Operations	3960000.0	3845000.0	2100000	2083000	99.19%	53.03%
Sales	6770000.0	6890000.0	2135000	2250000	105.39%	31.54%
<b>Total</b>	<b>18110000.0</b>	<b>18045000.0</b>	<b>7265000</b>	<b>7350000</b>	<b>101.17%</b>	<b>40.12%</b>

**-0.36%**

Revenue Variance %

**-65K**

Revenue Variance

**1.17%**

Expense Variance %

**85K**

Expense Variance

MonthNumber

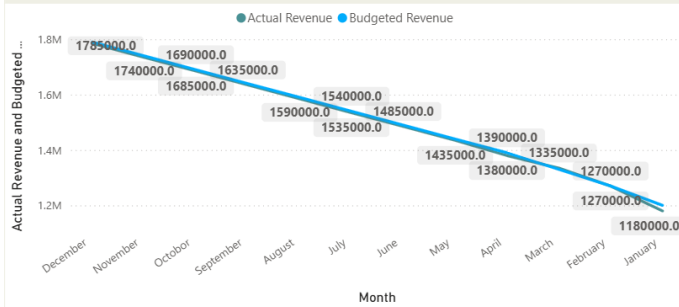
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Department

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Contact:  
USAJID91@gmail.com

### Actual Vs. Budgeted



### Variance Analysis

