



Celebal Technologies

Financial Dataset

SUMMER INTERNSHIP

MICROSOFT POWER BI

Agenda

- Objective
- What's New?
- Target Audience
- Technology Used
- Project Demonstration
- Future Scope
- Conclusion



Power BI Desktop

Objective

The objective is to calculate and visualize for the financial dataset provided to create reports, calculate running totals, profits and provide a overview of the business using Microsoft Power BI.



What's New

Connect to data and transform data in Graphs , Pie Chart etc by using different DAX commands with different functions.

Data sources with the scale to analyze, share, and promote insights across your organization while maintaining data accuracy and consistency. Power BI helps to bridge the gap between data and decision making. To quickly make data-driven decisions that drive strategic actions.

Target Audience

The main target audience for Power BI is **the everyday business user**, not BI developers.

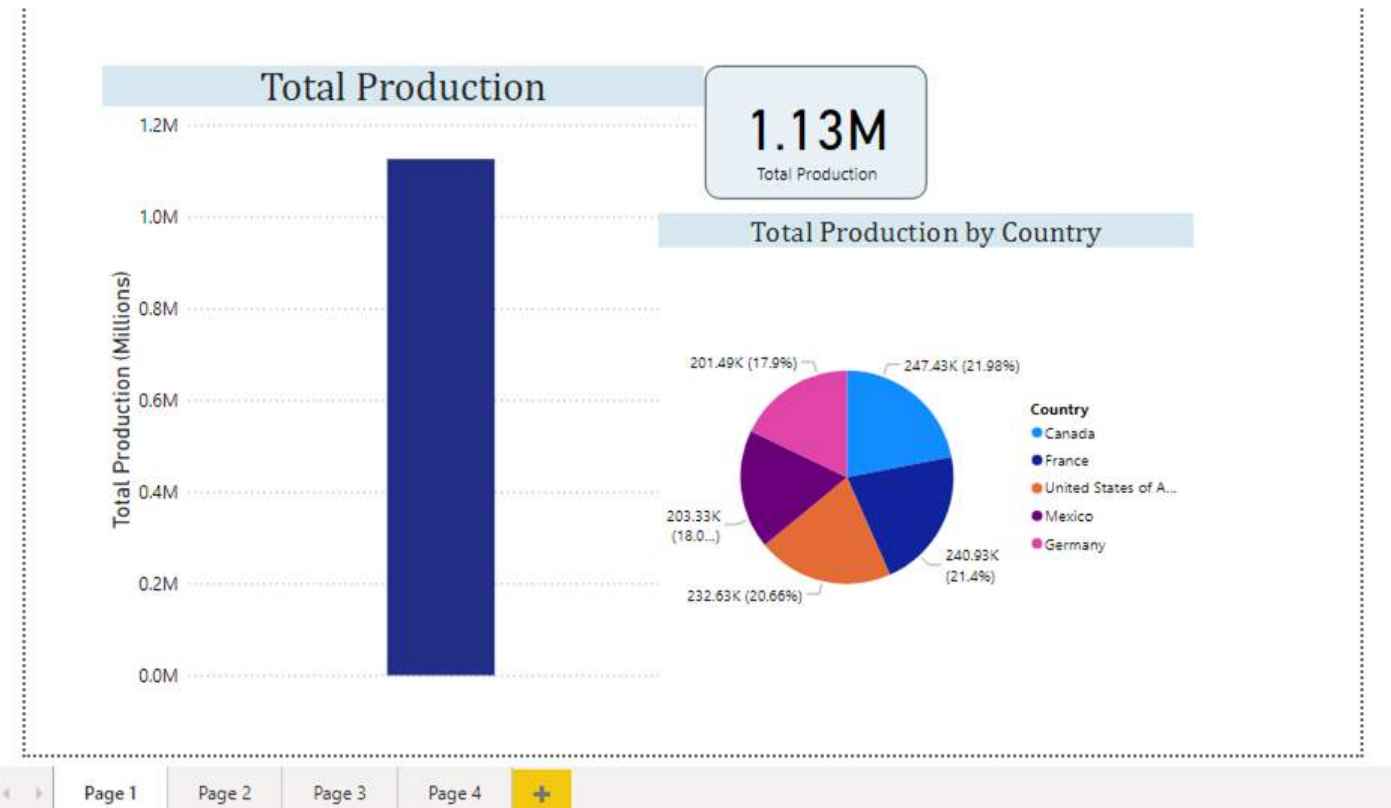
People are skeptical. It can be hard to convince a business to make a large investment in a BI product. Companies will often sell products at a loss or give them away for free, if there is a paid compliment needed to take advantage of that product.

Power BI users can access image recognition and text analytics, create machine learning models, and integrate with Azure Machine Learning.

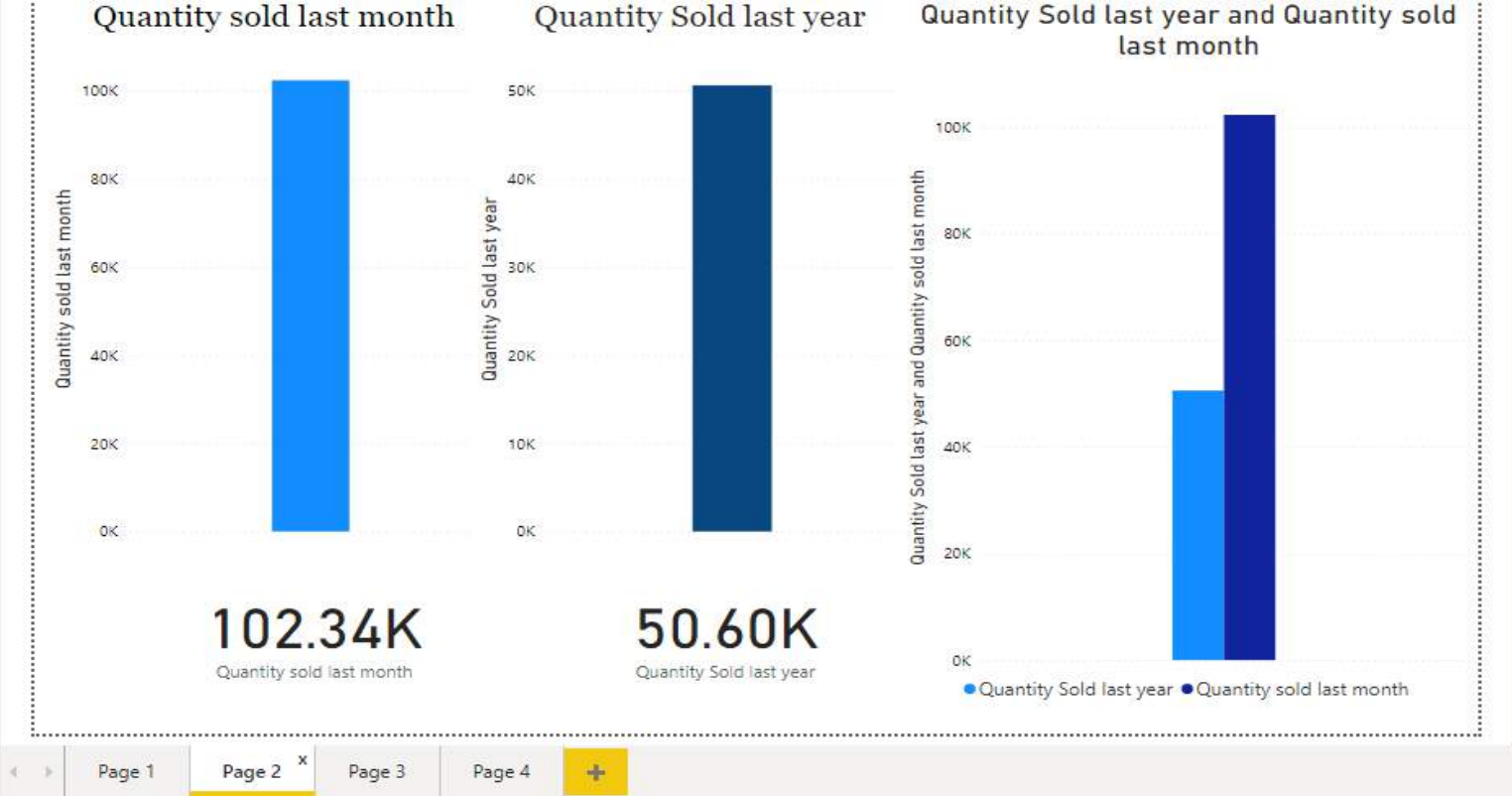
Technology Used

- Power BI is a collection of software services, apps, and connectors that work together to turn your unrelated sources of data into coherent, visually immersive, and interactive insights.
- Your data may be an Excel spreadsheet, or a collection of cloud-based and on-premises hybrid data warehouses.
- Power BI lets you easily connect to your data sources, visualize and discover what's important, and share that with anyone or everyone you want. Power BI consists of several elements that all work together, starting with these three basics:
 - A Windows desktop application called Power BI Desktop.
 - An online SaaS (Software as a Service) service called the Power BI service.
 - Power BI mobile apps for Windows, iOS, and Android devices.

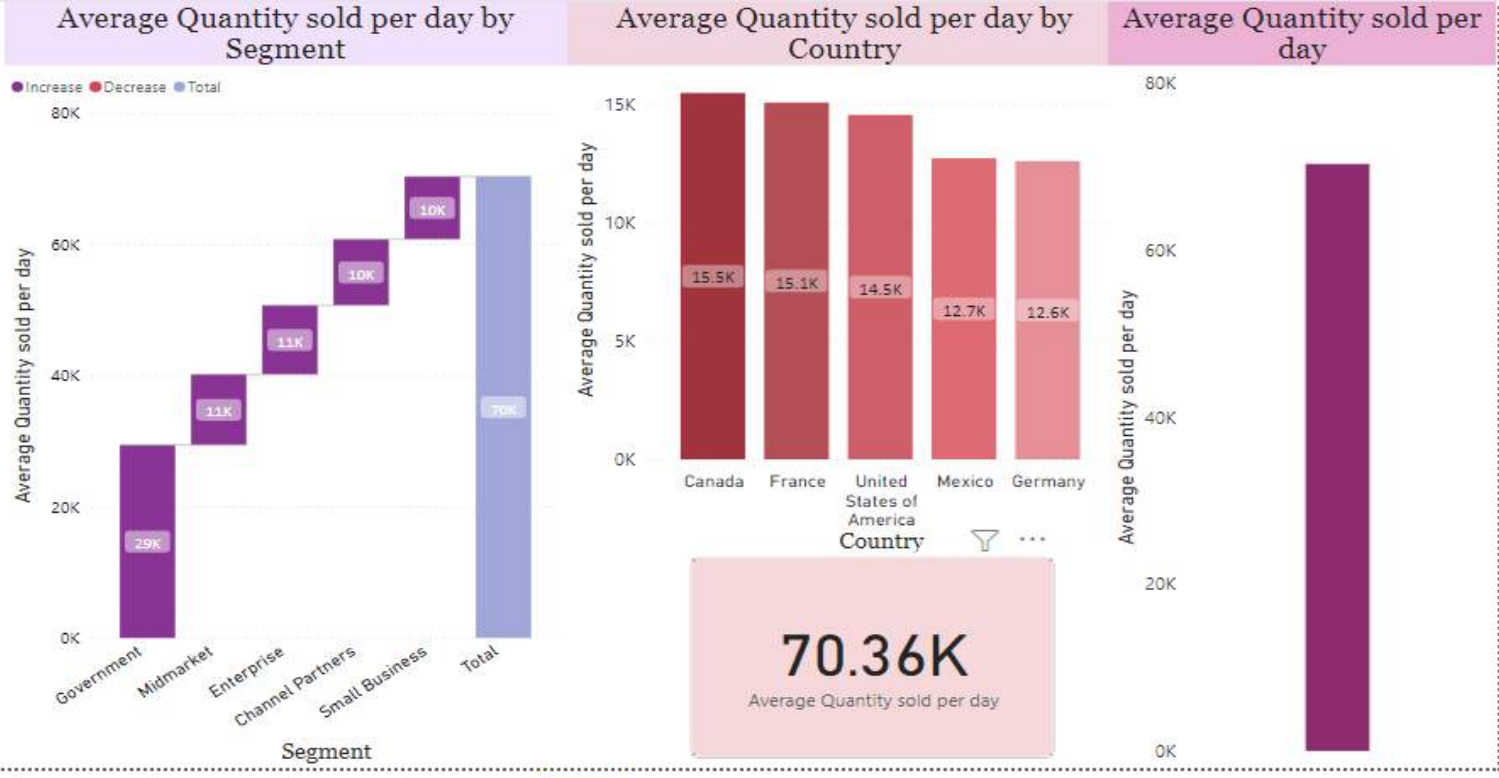
Report no.1-Total Quantity Sold-



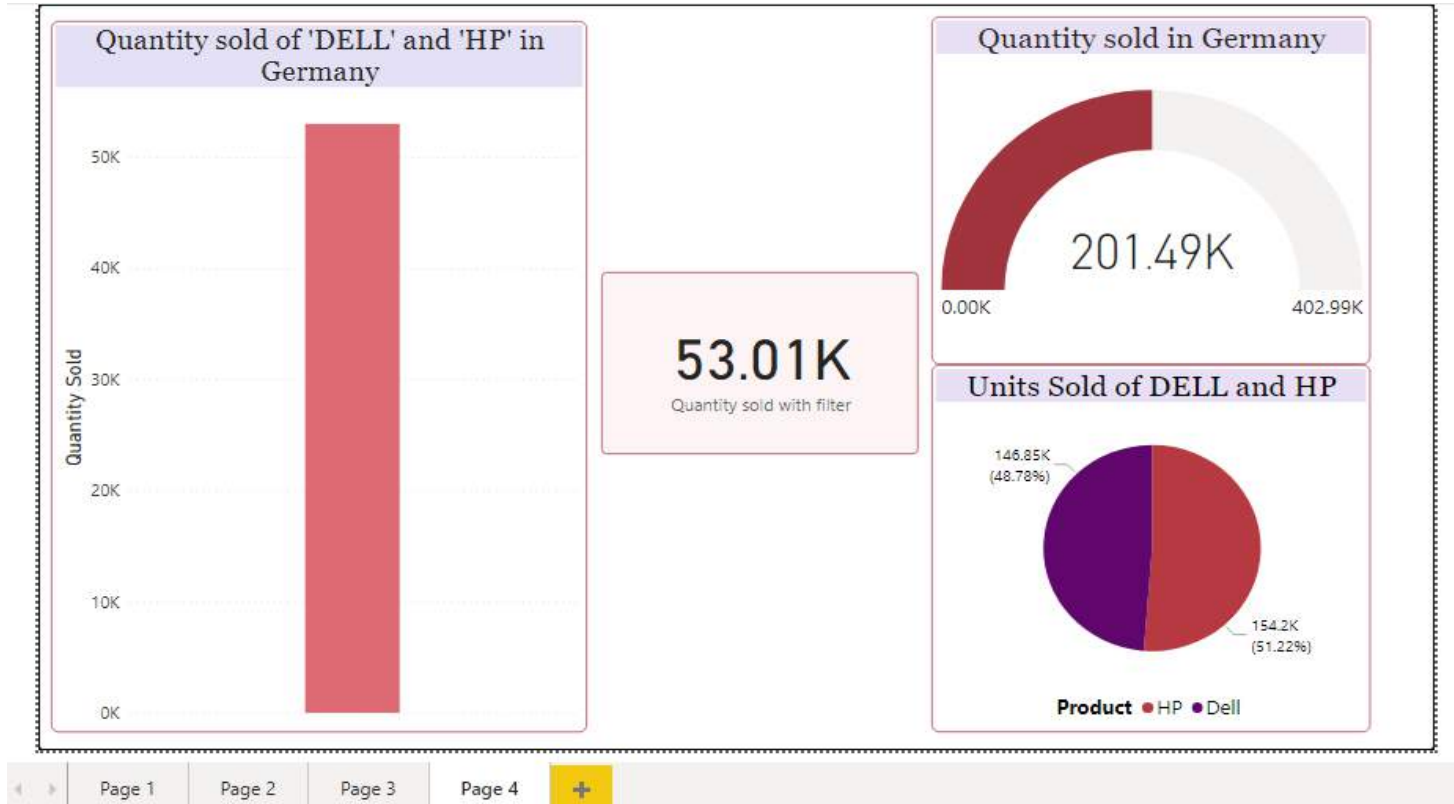
Report no.2,3-Quantity Sold Last Month,Sold Last Year



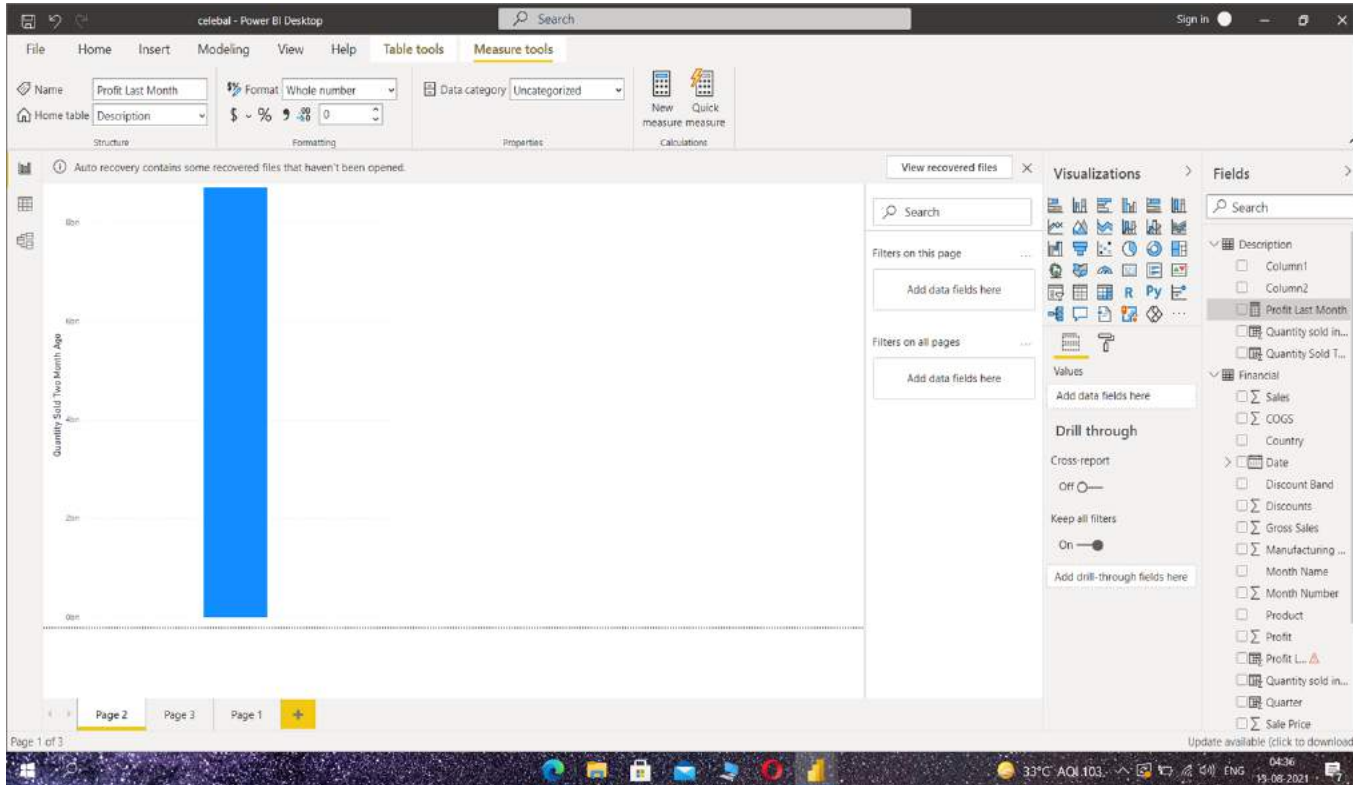
Report no.4-Average Quantity Sold per Day



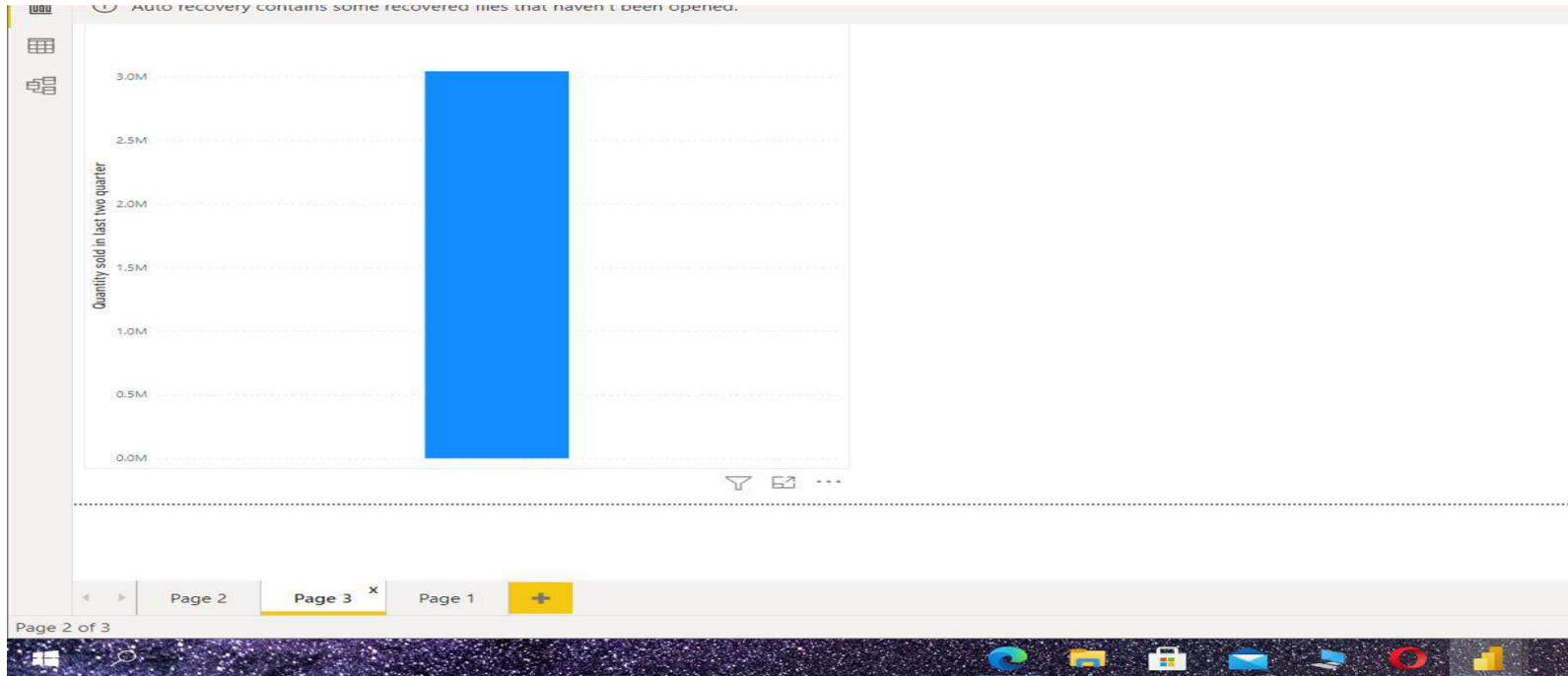
Report no.5-Quantity Sold in "Germany" and "Dell" & "HP"



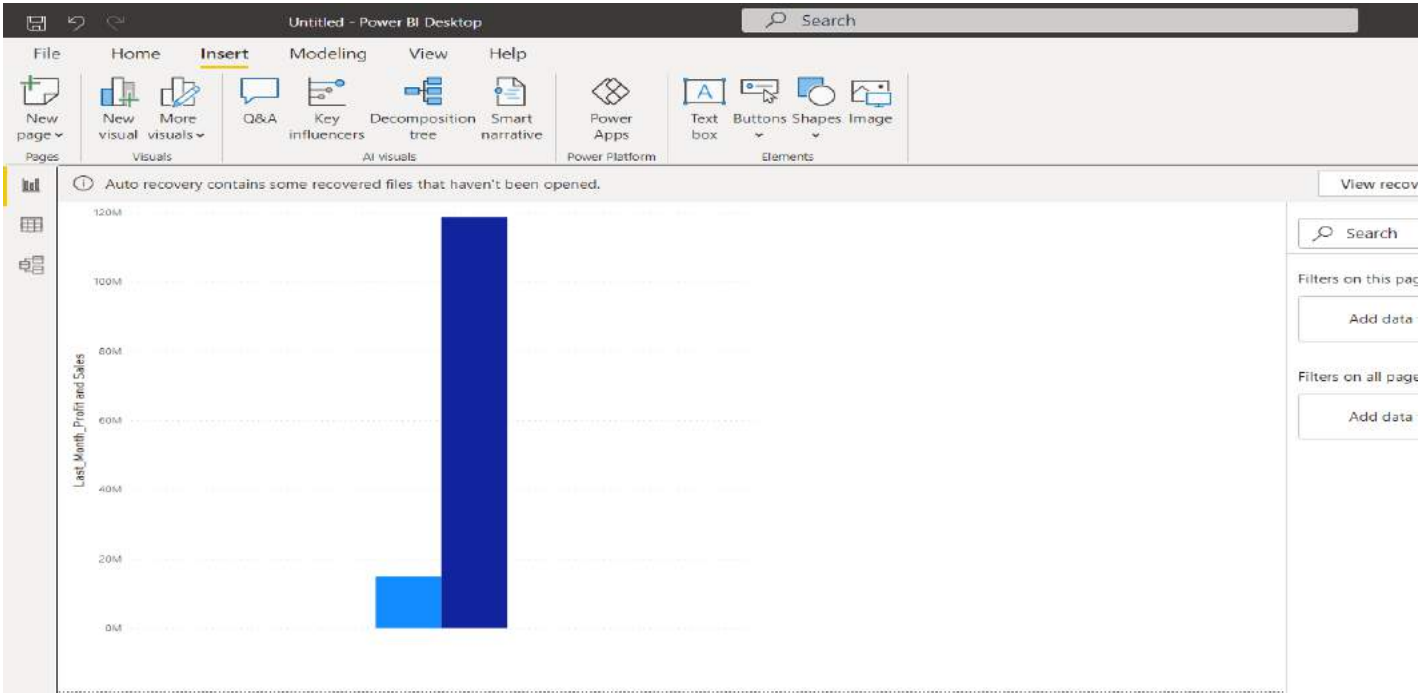
Report 60 - Quantity Sold Two Months Ago



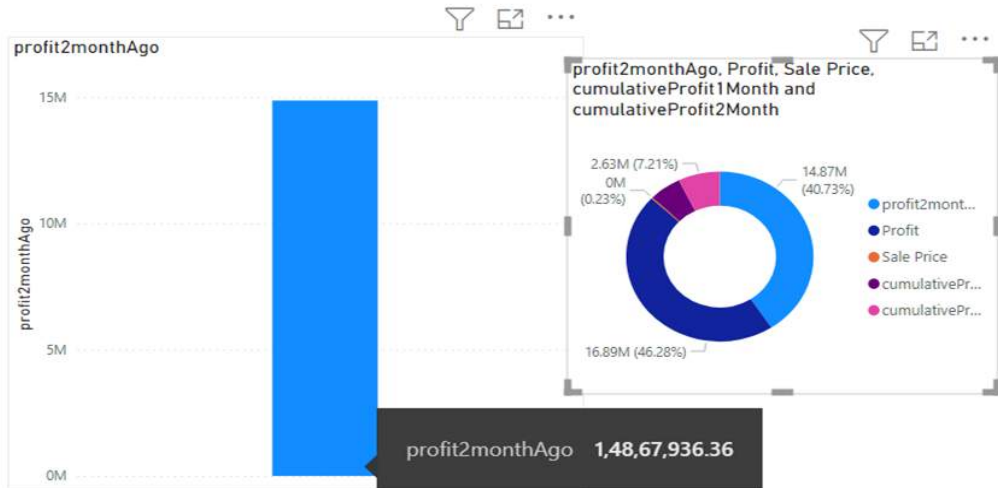
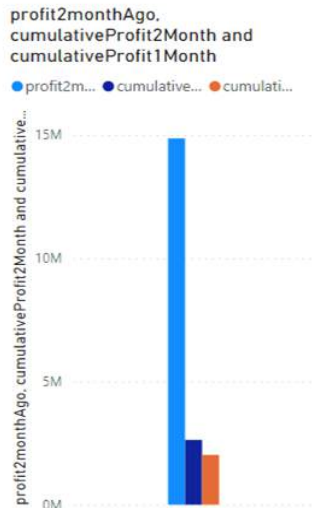
Report 07- Quantity Sold In Last Two Quarters



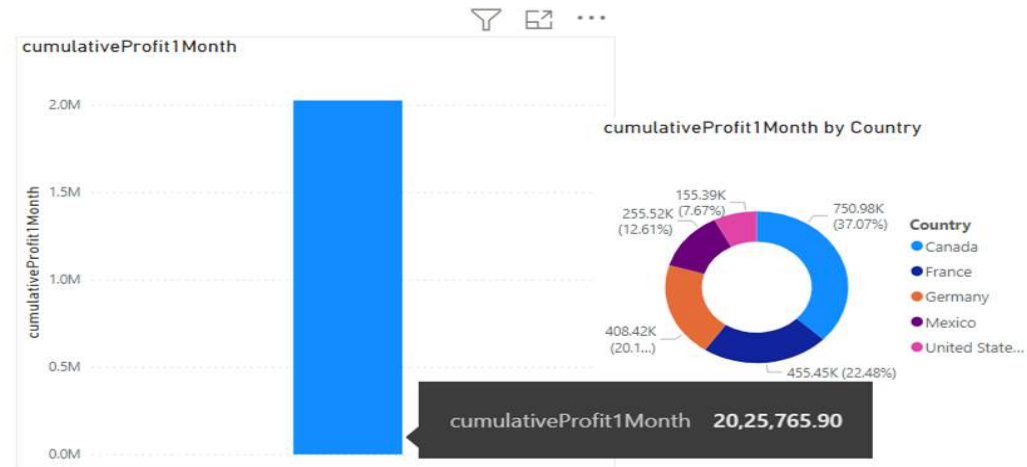
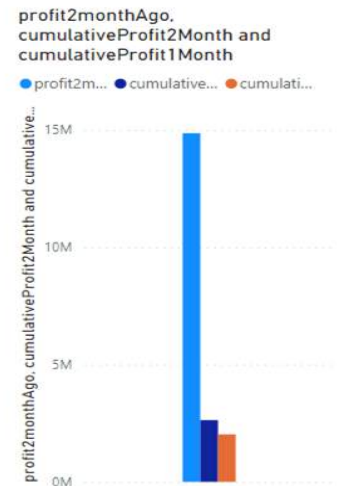
Report 08- Last Month Profit



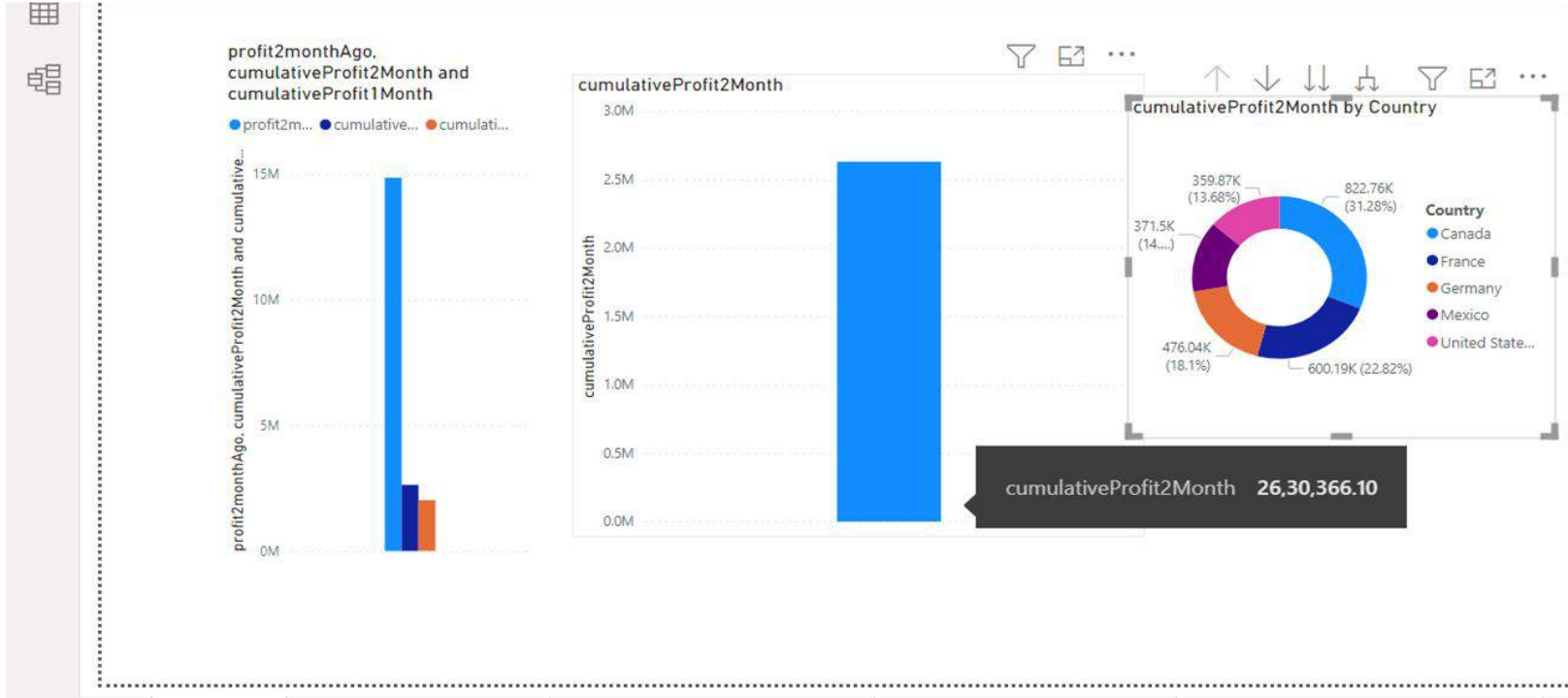
Report No.-9 Profit 2 Month Ago



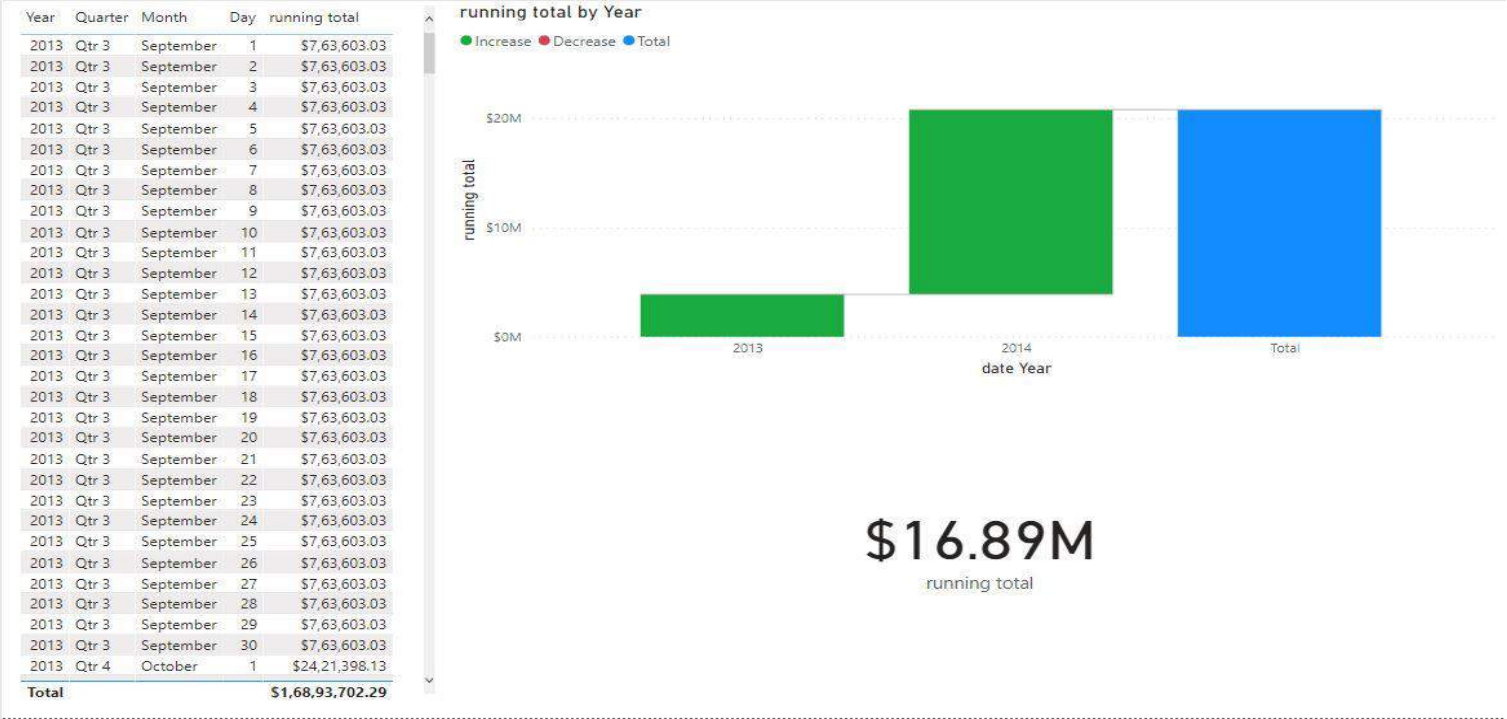
Report No.-10 Last month cumulative profit



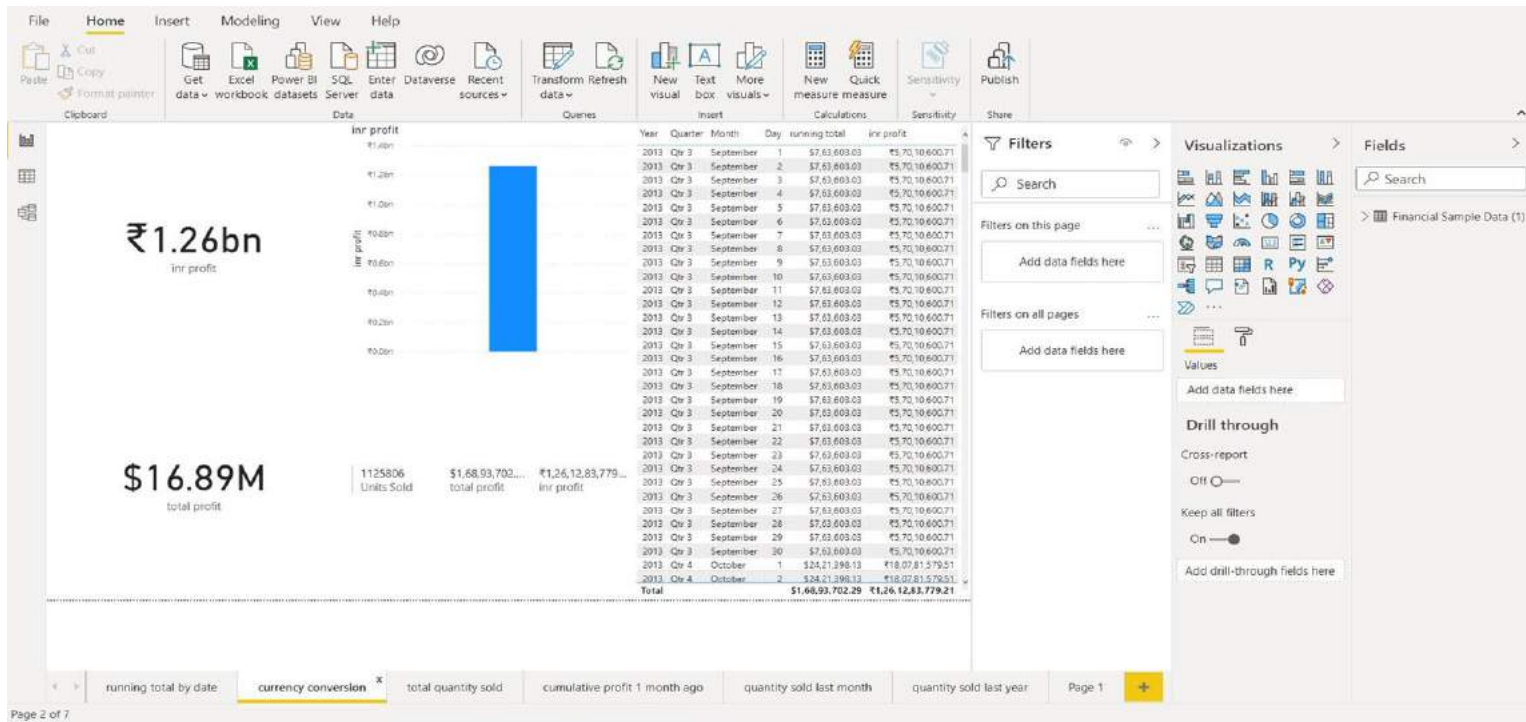
Report No.-11 Cumulative Profit 2 month ago



Report No.-12Total Profit running total in Date



Report No.-12 Apply Currency Conversion



Future Scope

- There's a lot of splendid things that can be done in the project over **cement factory financial year data**.
- Power BI is very popular in variety of industries. Its present as well as future is very bright.
- Power BI is a really exciting product. It's fast paced, the Community is growing and really interactive, there are a bunch of ways to learn and interact.
- The major benefit I see is that it's an avenue to take the data that we have already been working with and helping business to make that data useful. Power BI is a tool that makes that really straightforward.

Conclusion

The choice of **BI tool** is a function of **organization's need**, **user's maturity** and overall **budget**. Since, many companies has just started its journey towards a **BI driven data culture** and the end users have not yet been evolved fully, it was anonymously decided to go for Power BI as a data visualization tool with SQL server as a backend data mart. The idea is to explore deeper correlation or discrepancies amongst various data points and visualize interactively through an effective data visualization application. Power BI primarily fulfills this objective. Although, tableau scores much higher on every count (except cost) over Power BI.

