

FINANCIAL ANALYTICS

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**Project Details**

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| --- | --- |
| Title | Financial Analytics |
| Technologies | Data Science |
| Domain | Finance |
| Project Difficulties Level | Intermediate |
| Tools Used | MS Excel, Power BI |

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**Problem Statement**

Without analysing the competition, it is difficult for a business to survive. You are tasked to analyse the competition for the management to provide better results. This data set has information on the market capitalization of the top 500 companies in India. Serial Number NameName of Company Mar Cap – Crore Market Capitalization in Crores Sales Qtr – Crore Quarterly Sale in crores.

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**Data Description**

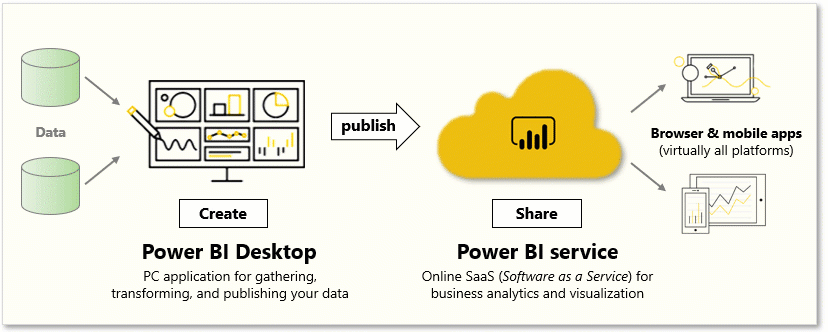
* Data was given in one part and file named as

Financial Analytics data.csv

* Serial Number
* Name of the company
* Mar Cap-Crores(Market Capitalisation in Crores)
* Sales Qtr-Crores(Quarterly Sales in Crores)

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**Architecture**



Power Bi is a business suite that includes several technologies that work together. To deliver outstanding business intelligence solutions, Microsoft Power Bi technology consists of a group of such components such as:

* Power Query (for data mash-up and transformation)
* Power BI Desktop (a companion development tool)
* Power BI Mobile (for Android, iOS, Windows phones)
* Power BI Pivot (for in-memory tabular data modelling)
* Power BI View (for viewing data visualisation)
* Power BI Map (for visualizing 3D geo-spatial data)
* Power BI Q&A (for natural language Q&A)
* Our entire data source is our excel file. This excel file is connected to the Power Bi server. From the server, data can be shown and accessed.
* Power Bi server has various architectural components regarding to solve the query.
* The functionalities show the result according to query entered by the end user or client.
* Client entered the query to show the graph, after selecting the data in form of rows and columns it will go inside the Power Bi server. In Power Bi server, it understands the query and generates the best recommended charts based on selected data and return it into the Power Bi screen.
* Based on recommended charts, client can make the visual aspect of the same.
* If client is not satisfied with the result, he/she has to select data accordingly otherwise make required changes to show the expected result

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Visuals

