Financial Analytics

DETAILED PROJECT REPORT

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PROJECT DETAIL

Project Title	Financial Analytics
Technology	Business Intelligence
Domain	Finance
Project Difficulty level	Advanced
Programming Language Used	Python
Tools Used	Jupyter Notebook, MS-Excel, Tableau

OBJECTIVES

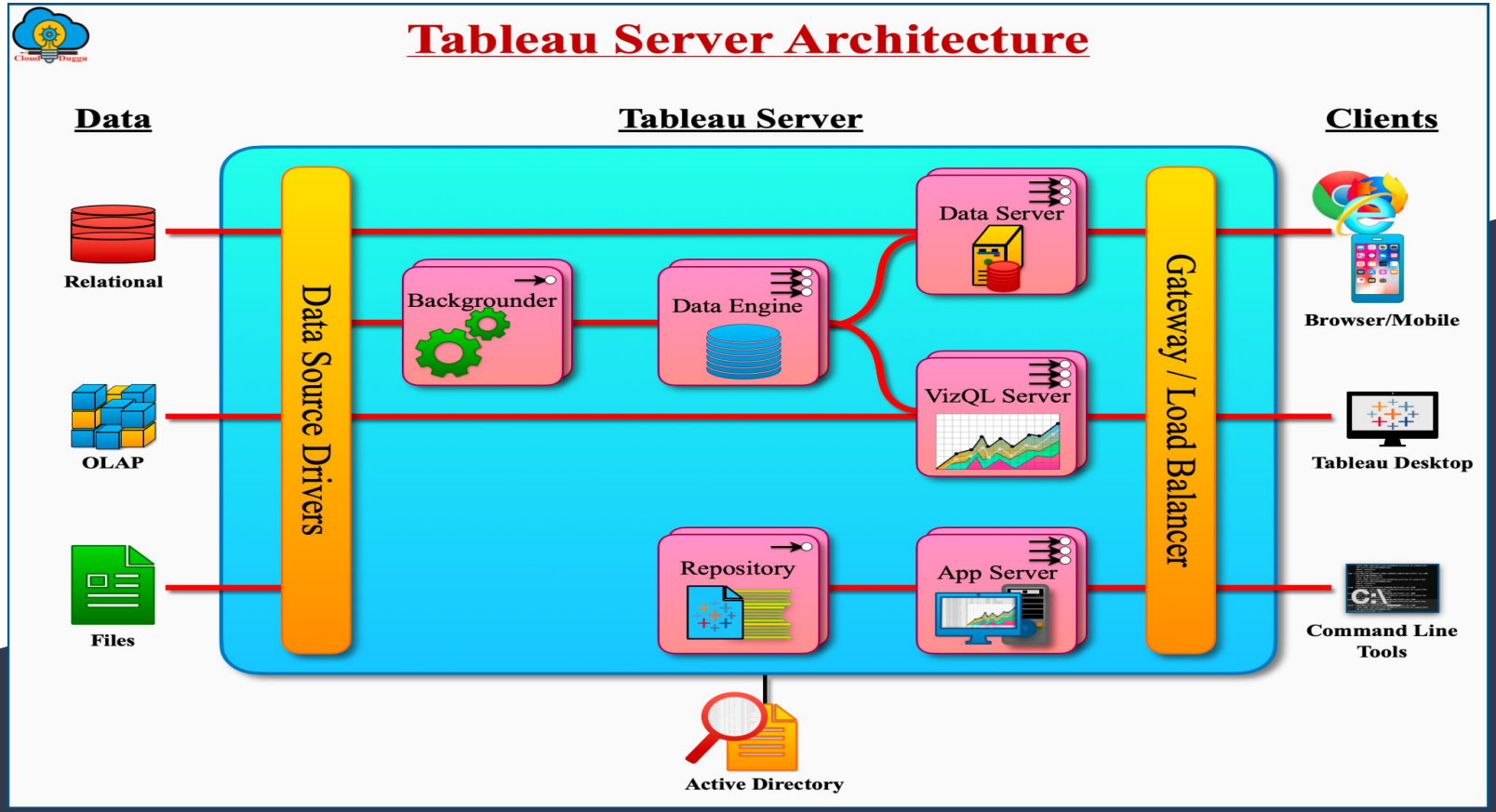
- Development of predictive model for monitoring Financial situation of Top Companies. According their Market Cap and Top Performing Sectors

PROBLEM STATEMENT

- Without analyzing the competition, it is difficult for a business to survive. You are tasked to analyzing the competition for the management to provide better results.

  This data set has information on the market capitalization of the top companies in India.

ARCHITECTURE



Q&A

What's the source of data?

The data for training is provided by the client in multiple batches and each batch contain multiple files.

- **What was the type of data?**

  The data was the combination of numerical and categorical values.

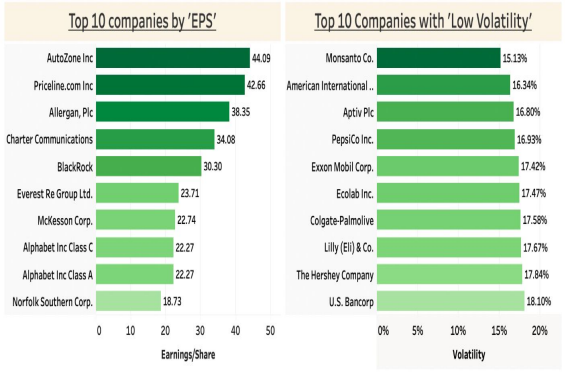
- **After the file validation what you do with incompatible file or files which didn't pass the validation?**

  Files like these are moved to the achieve folder and the list of these files has been **shared with the client** and we removed the bad data folder.

KEY PERFORMANCE INDICATOR (KPI)

1. Top 10 Companies by Market Cap
2. Total Market Cap Tile Company Wise
3. Top Performing Sectors by Market Cap
4. Average P/E Ratio by Sectors
5. Top & Bottom 10 Companies By EPS
6. Top 10 Overvalued companies
7. Company wise Dashboard with all details
8. Top 10 volatile companies
9. Top 10 less volatile companies
10. Top Companies by Dividend Yield

INSIGHTS

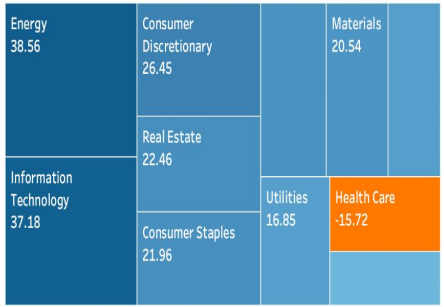


Sector Performance

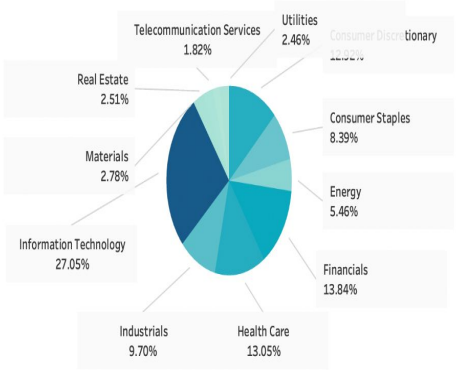
Total Market Capitalisation

$24,865.92 B

Average 'P/E Ratio' by Sector



Sector-wise share of 'Market Cap'



Sector

- (All)
- Consumer Discretionary
- Consumer Staples
- Energy
- Financials
- Health Care
- Industrials
- Information Technology
- Materials
- Real Estate
- Telecommunication Services
- Utilities

Yield | Companies by EBITDA | Companies by Annual Sales | Company- wise details | EPS and Volatility | Sector Performance | EBITDA, Dividend and Annual... | Market Cap, Value | Company report | Analysis

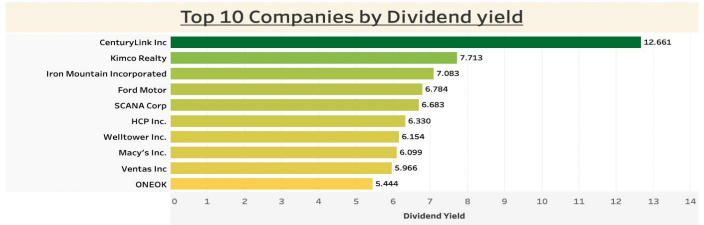
INSIGHTS

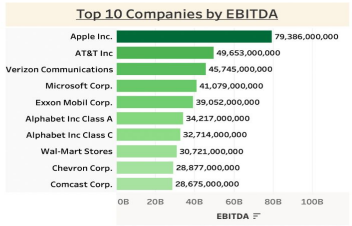
3M Company

Market Cap	138,721,055,226
Annual Sales	609,022,984,232
Market Price	223
52 Week High	260
52 Week Low	175
Ebitda	9,048,000,000
Dividend Yield	2
Earnings/Share	8
Price/Book	11
Price/Earnings	24
Price/Sales	4
Volatility	48.03%

- 3M Company
- A.O. Smith Corp
- Abbott Laboratories
- AbbVie Inc.
- Accenture plc
- Activision Blizzard
- Acuity Brands Inc
- Adobe Systems Inc
- Advance Auto Parts
- Advanced Micro Devices Inc
- AES Corp
- Aetna Inc
- Affiliated Managers Group Inc
- AFLAC Inc
- Agilent Technologies Inc
- Air Products & Chemicals Inc
- Akamai Technologies Inc
- Alaska Air Group Inc
- Albemarle Corp
- Alexandria Real Estate Equities Inc
- Alexion Pharmaceuticals
- Align Technology
- Allegion
- Allergan, Plc
- Alliance Data Systems
- Alliant Energy Corp
- Allstate Corp
- Alphabet Inc Class A
- Alphabet Inc Class C
- Altria Group Inc
- Amazon.com Inc
- Ameren Corp

EBITDA | Companies by Annual Sales | Company- wise details | EPS and Volatility | Sector Performance | EBITDA, Dividend and Annual... | Market Cap, Value | Company report | Analysis





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THANK YOU!