

Charting Progress

An examination of Market
Capitalization in the
Indian Corporate
landscape
in 2018

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TABLE of CONTENTS

- 01 Introduction
- 02 Project Timeline
- 03 Data Source
- 04 Tools & Methodology
- 05 Procedure
- 06 Results
- 07 Conclusion
- 08 Limitations
- 09 Next Steps
- 10 References & Appendices

Introduction

Business Problem:

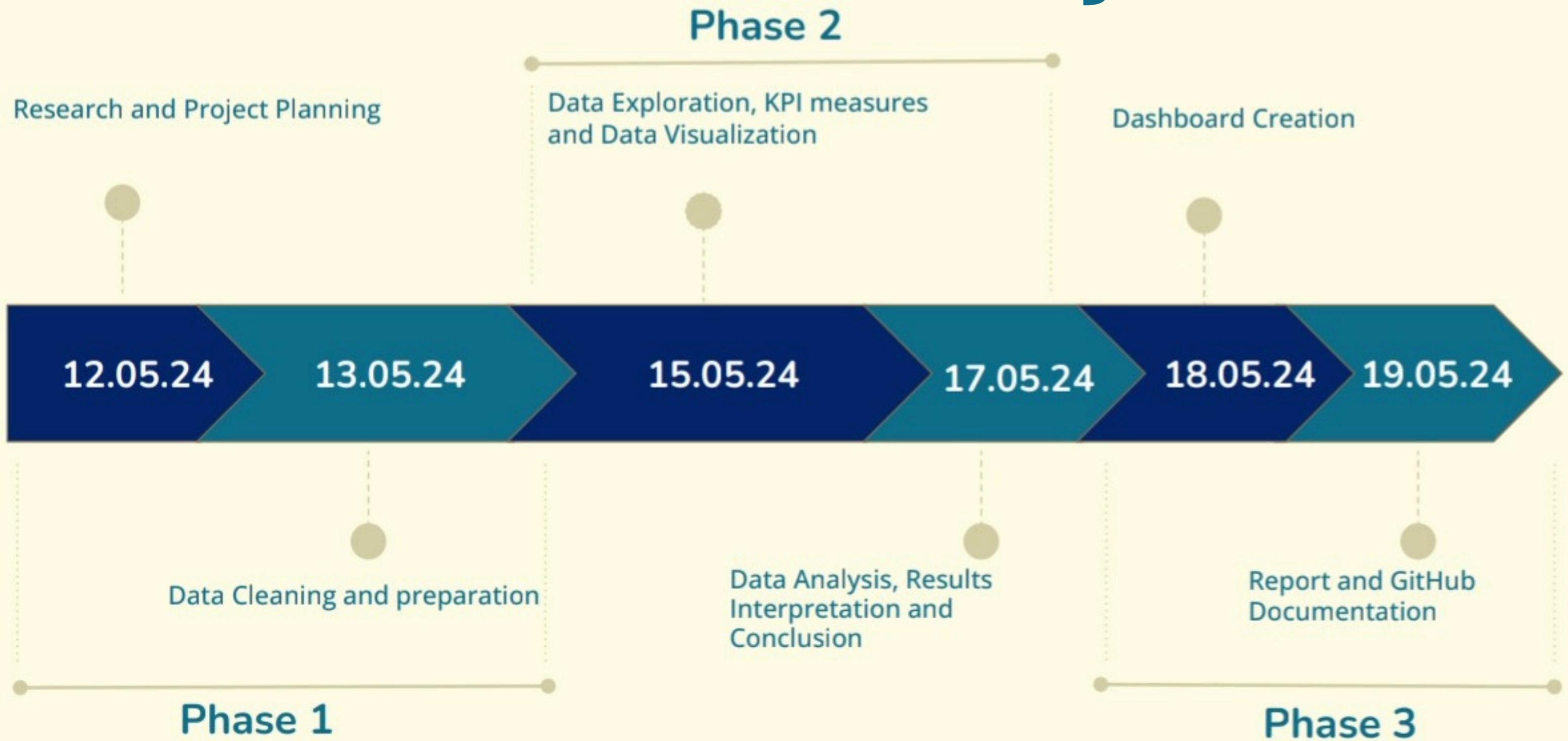
Without analyzing the competition, it is difficult for a business to survive. You are tasked to analyze the competition for the management to provide better results.

This data set has information on the market capitalization of the top 500 companies in India. Find key metrics and factors and show the meaningful relationships between attributes. Do your own research and come up with your findings.

This report examines the Market Capitalization of India's top 500 firms in 2018, revealing insights into the financial landscape. It identifies industry leaders categorized by market cap size—Large, Mid, and Small—to uncover emerging trends.

My toolkit for this project includes Excel, Alteryx, Power BI, Google Slides, and Canva. Market Capitalization serves as the primary metric to gauge corporate competitiveness. I've also discussed the project's limitations and proposed some future directions in the end.

Project Timeline



Data Sources

01

Financial Data

Original dataset about top 500 companies by Market Capitalization for the fiscal year 2018. It contains Company Name, Market Capitalization in Crore and Quarterly Sales in Crore.

02

Nifty 500 data

Data on top 500 companies in India's National Stock Exchange (NSE) based on market capitalization and average daily turnover. Used to map correct company names with the original dataset.

03

Economic Times Top 500 companies 2009-2021

Data about Indian companies which were listed in Economic times since 2009 to 2021. Used this data to join Industry column with the original data.

Tools

01. Excel

02. Alteryx

03. Power BI

04. Google Slides

05. Canva

06. GitHub

Methodologies

01. Data Cleaning

02. Data Transformation

03. Data Analysis

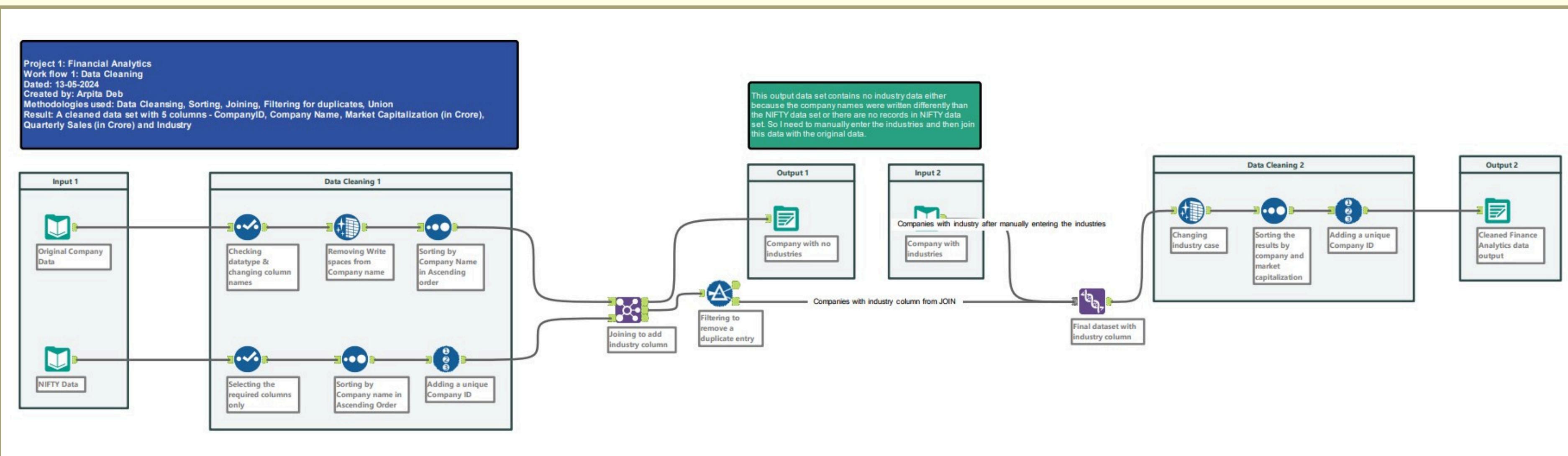
04. Data Visualization

05. Reporting

I employed Alteryx's robust suite of tools for data cleansing, sorting, joining, and filtering to refine our dataset.

Procedure

Data Cleaning

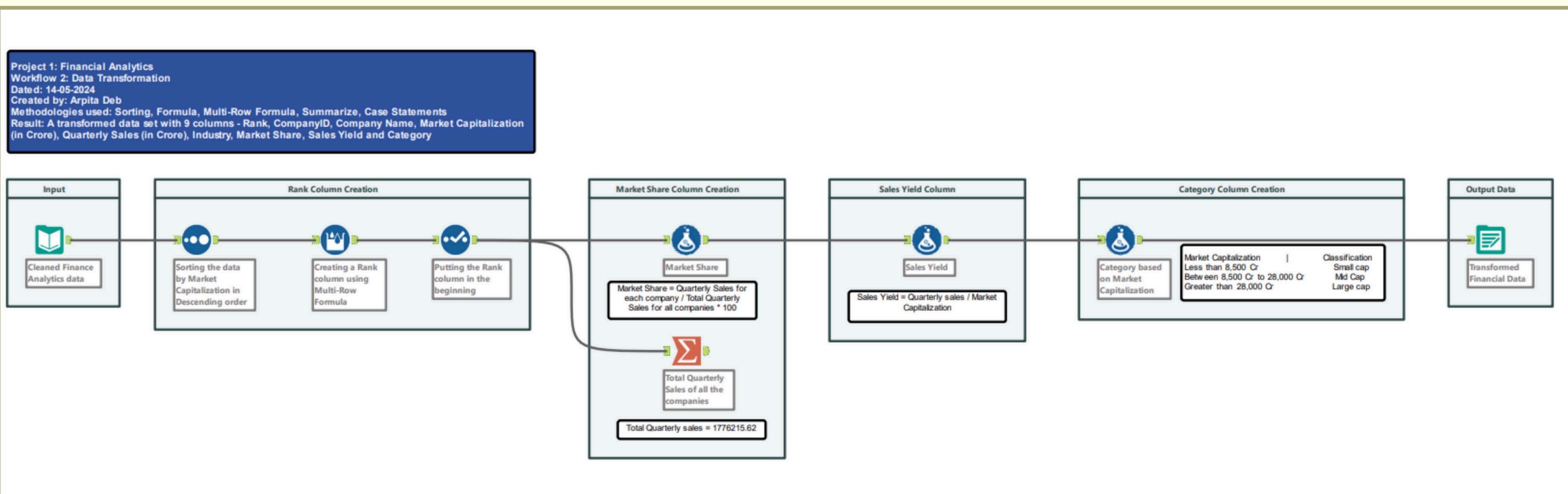


*The entire Data Cleaning workflow is available in appendix.

I leveraged Alteryx's Data Blending tools to create insightful new variables from existing data columns.

Procedure

Data Transformation



*The entire Data Transformation workflow is available in appendix.



Results

Our exploratory data analysis utilized four metrics:

Total Market Cap

Aggregated value across companies.

Average Market Cap

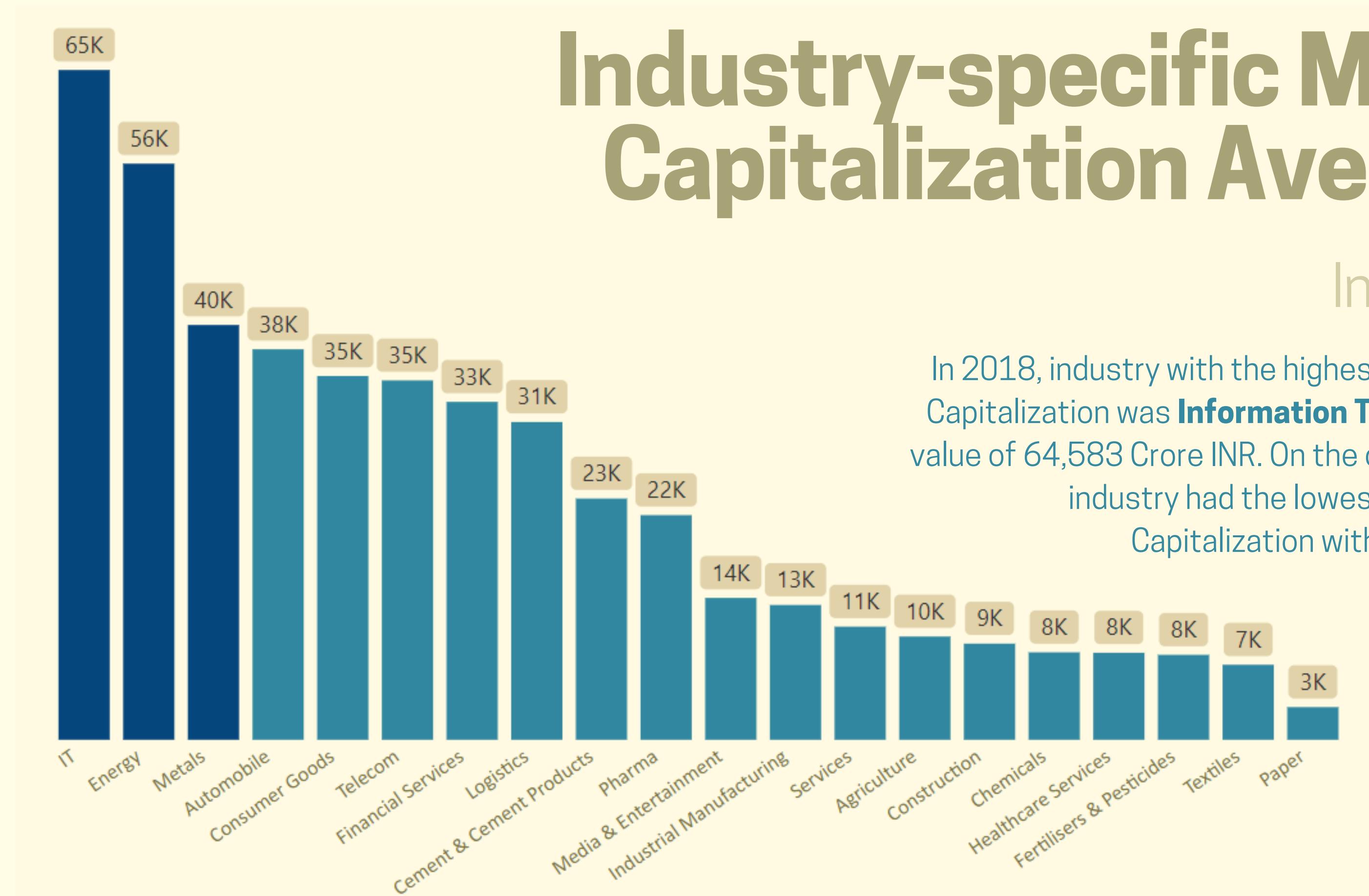
Industry-specific average valuations.

Market Share

Distribution of market dominance.

Market Cap Categories

Categorization by market capitalization.



Industry-specific Market Capitalization Averages

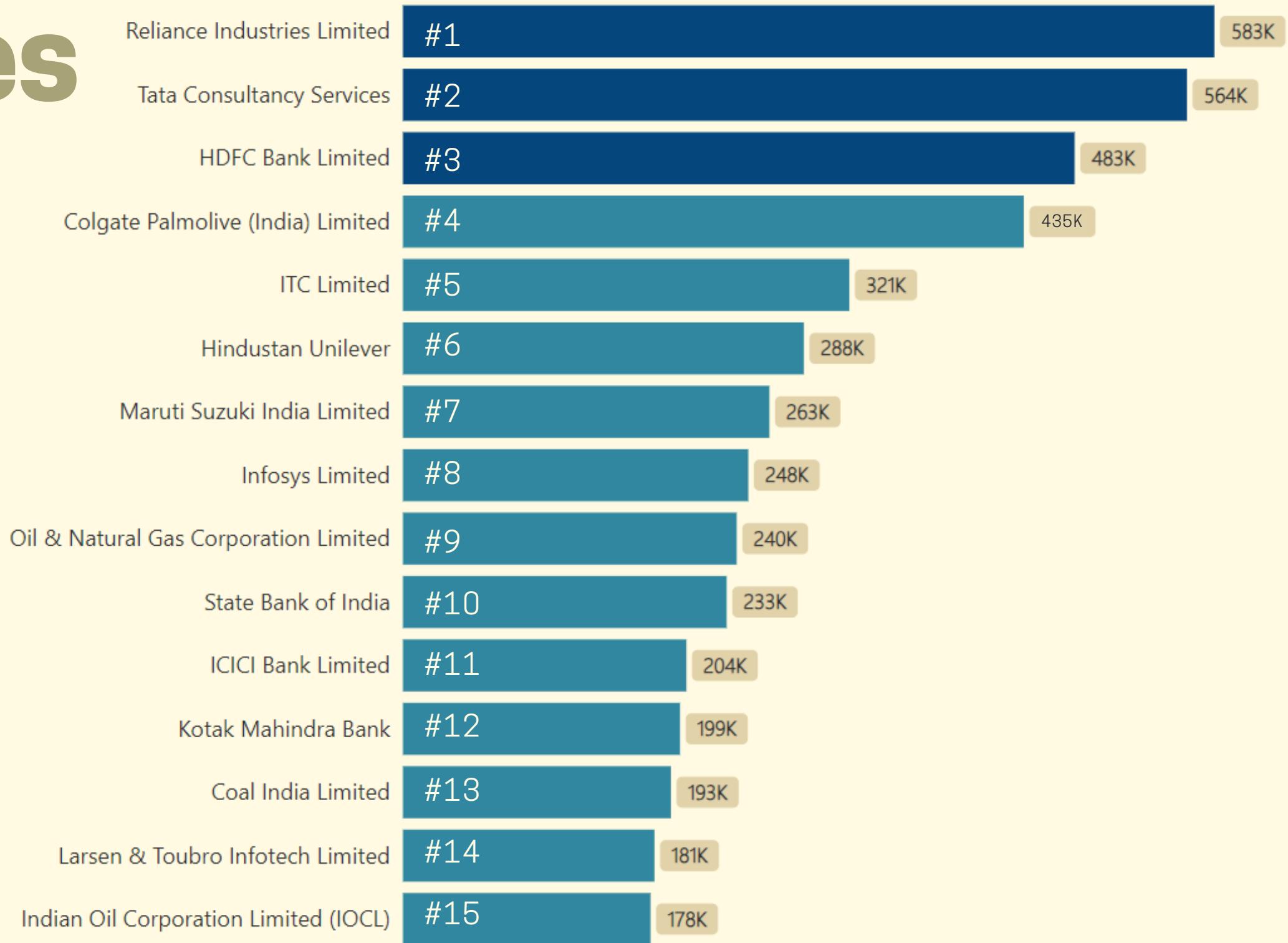
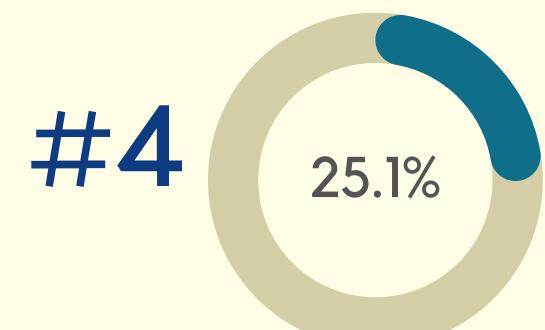
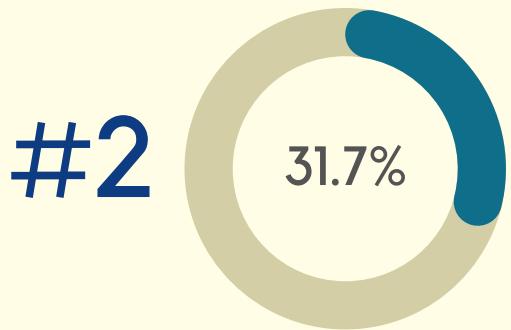
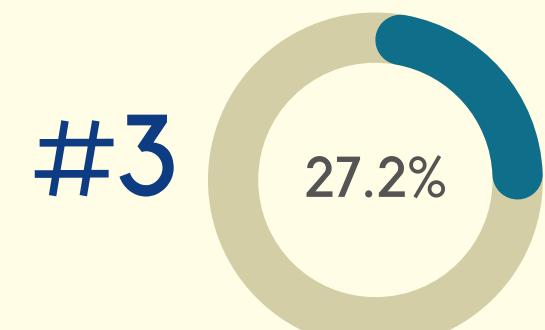
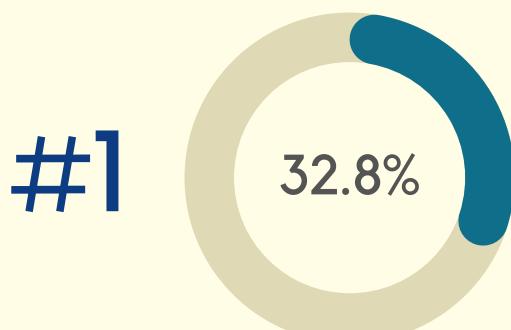
In Crore INR

In 2018, industry with the highest Average Market Capitalization was **Information Technology** with a value of 64,583 Crore INR. On the other hand, **Paper** industry had the lowest Average Market Capitalization with 3,148 Crore INR.

Top 15 companies

by Market Capitalization in India, 2018

Market Share of top 4 companies



Market Cap Categories

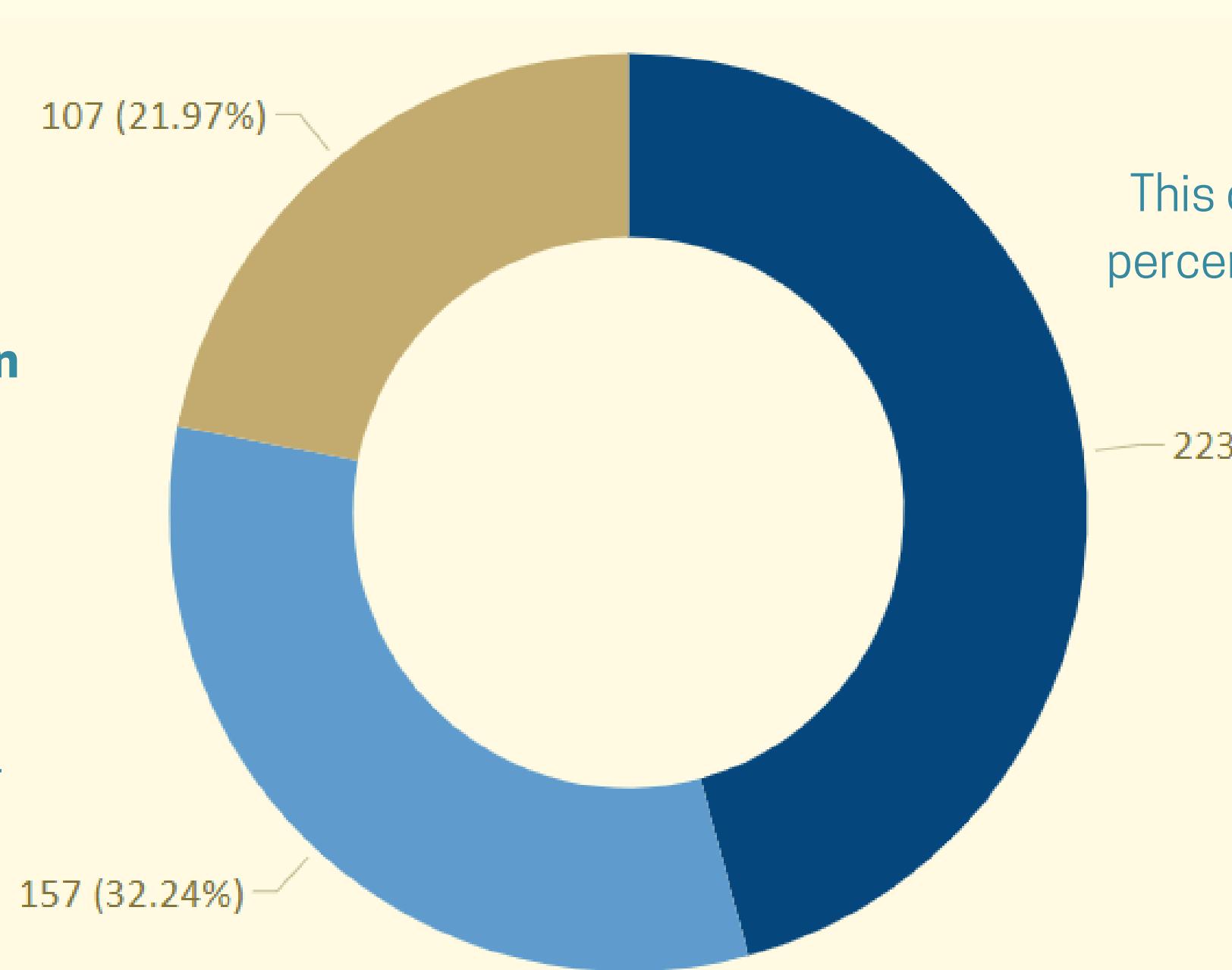
Classification of the companies by Total Market Cap

LARGE CAP

For Large Cap companies, their total market capitalization is **greater than 28,000 Crore INR.**

MID CAP

For Mid Cap companies, their total market capitalization ranges **between 8,000 and 28,000 Crore INR.**



This chart is showing the number and percentage of companies categorized as Large, Mid and Small Cap.

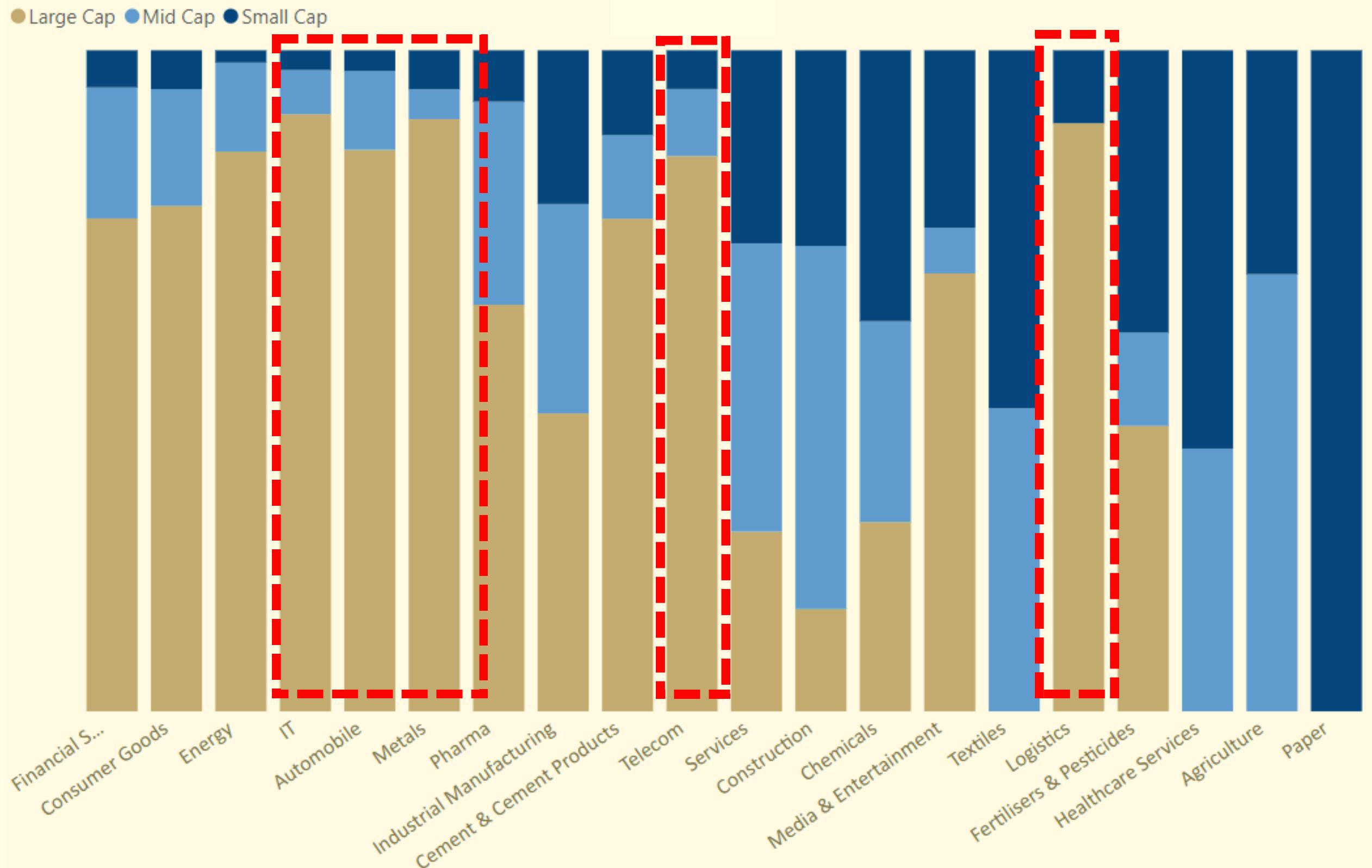
SMALL CAP

For Small Cap companies, their total market capitalization is **smaller than 8,000 Crore INR.**

Market Cap breakdown

By Industry & Category

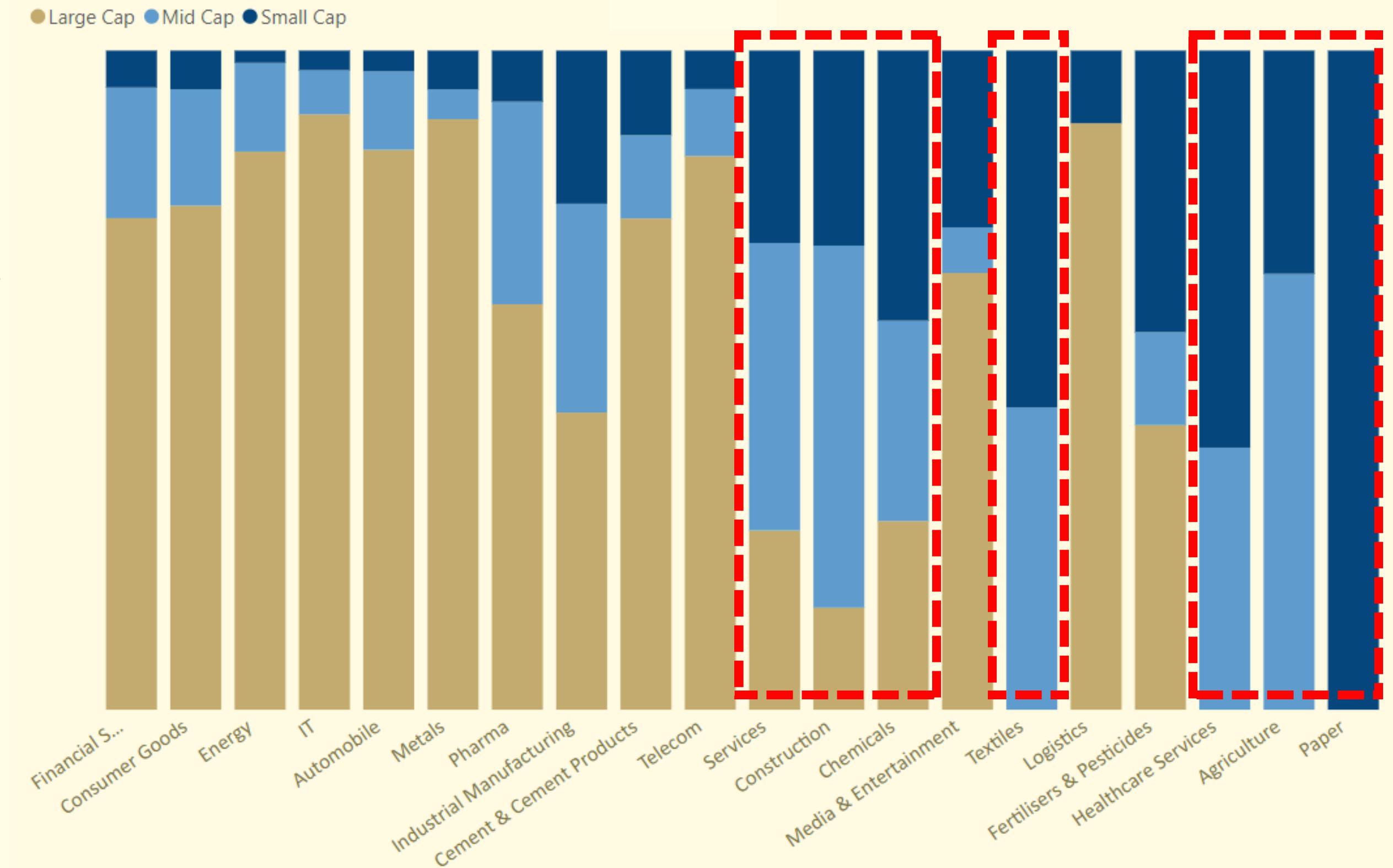
Further analysis shows that industries with higher total Market Capitalization were predominantly led by **Large Cap Companies**, which contributed significantly to their market share.



Market Cap breakdown

By Industry & Category
Continued...

However, emerging industries like **Paper, Agriculture, Healthcare Services, Construction, Chemicals** are dominated by Mid and Small Cap companies, indicating potential for these firms to thrive and grow.



Market Capitalization Dashboard Showing the Market Capitalization of Top 500 Indian Companies in 2018

About the Dashboard:
This visualization gives an overview of different financial metrics of Top Indian Firms for the FY 2018. Using Industry, Category and Company filter one can get a glimpse into their financial portfolio.

39

Rank

Energy

Industry

78.67K

Total Market Cap (Crore)

14.41K

Total Quarterly sales (Crore)

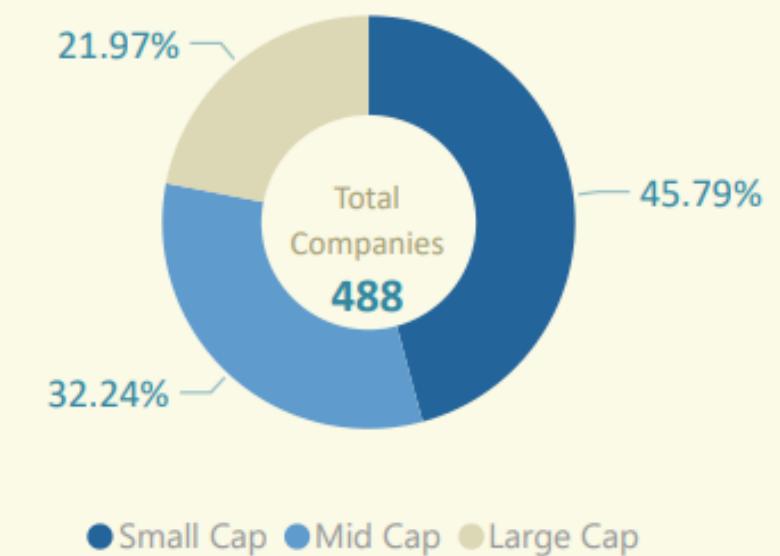
4.4

Market Share

Large Cap

Market Cap Category

Market Cap Categories



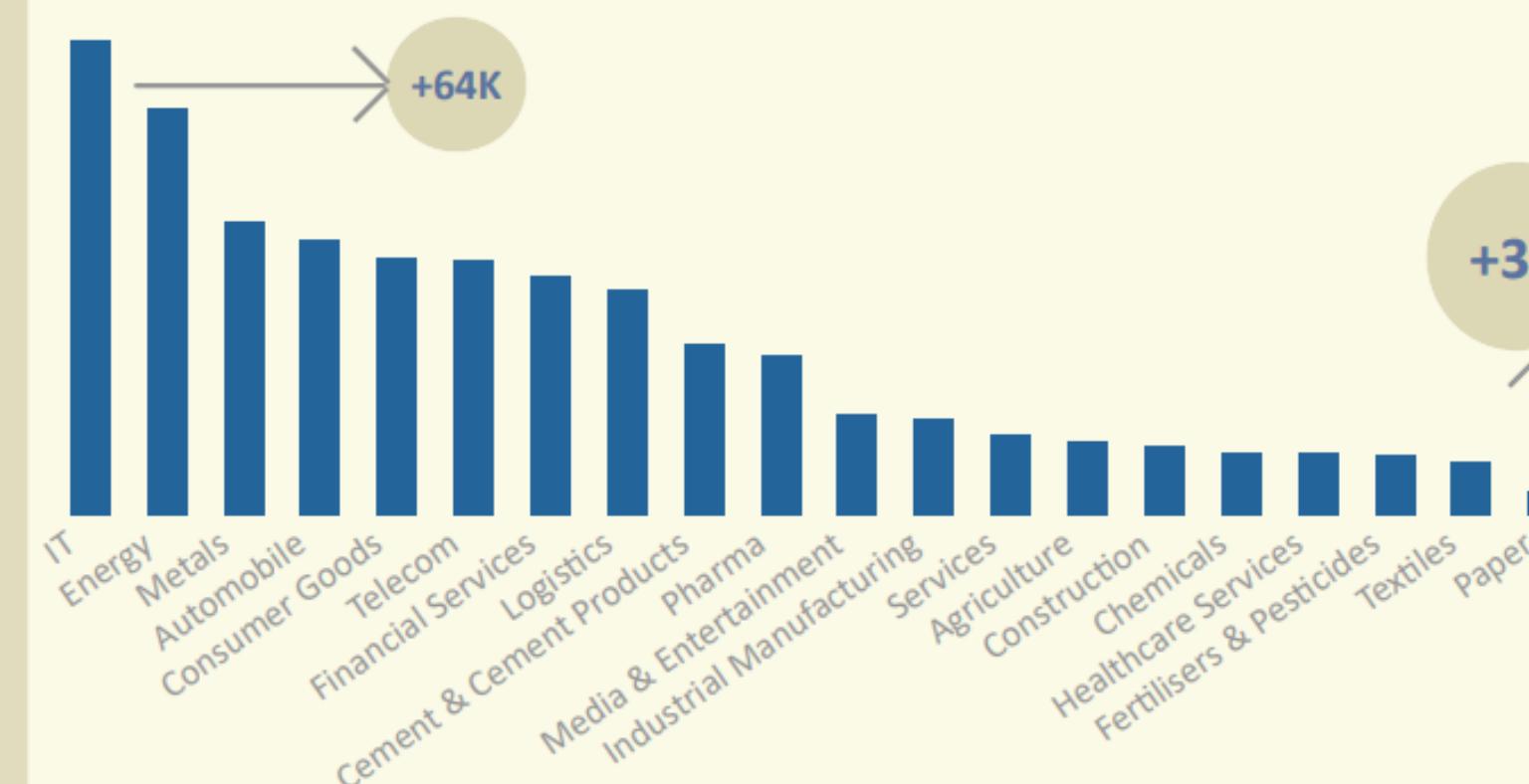
Choose any Filter

Filter for any company, industry or Market Cap Category to see the relevant information.

Company Name	<input type="text"/>
GAIL (India)	<input type="text"/>
Industry	<input type="text"/>
All	<input type="text"/>
Category	<input type="text"/>
All	<input type="text"/>

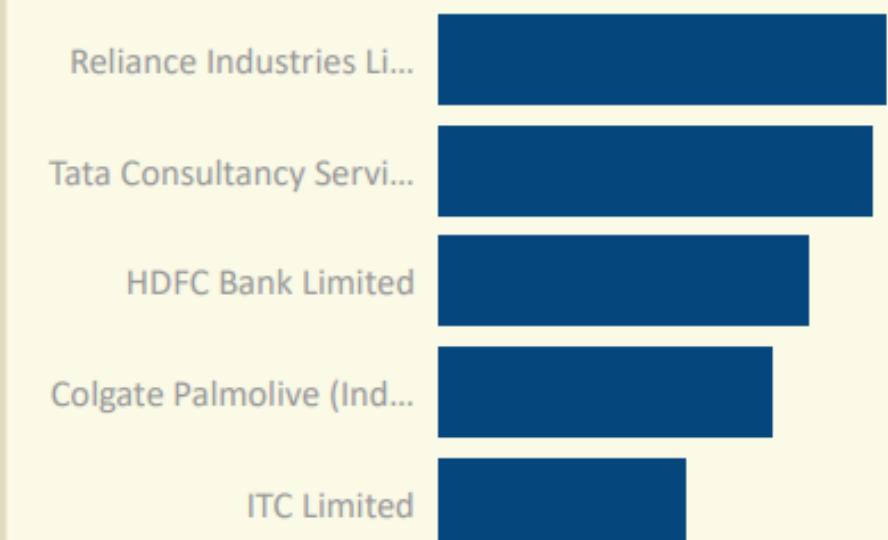
Industry-specific Average Market Capitalization in India, 2018

In Crore INR



Top Companies

Based on Total Market Capitalization in Crore INR



Conclusion

01.

Analyzing 488 firms, we found that only **21%** qualify as Large Caps, each with a market capitalization over ₹28,000 Crore, led by titans like Reliance Industries Ltd, Tata Consultancy Services (TCS), and HDFC Bank—collectively exceeding ₹16,00,000 Crore.

02.

In 2018, **Reliance** and **Tata Consultancy Services** stood out for their market share, underscoring their brand power.

03.

IT, Energy, Metal, Automobile, Telecom, and Logistics sectors were led by Large and Mid-Cap companies, indicating a stronghold of established players.

04.

Small Cap companies, **46%** of the total, are rising in sectors like **Agriculture, Paper, Healthcare, and Textiles**, signaling growth potential.

Limitations

01. The dataset was incomplete with only 488 rows with 1 duplicate entry instead of 500.
02. The ambiguous nature of Quarterly Sales column prevented further calculation.
03. The data did not contain other numeric columns which could have allowed us to perform more advanced analysis.
04. Since the data is not normally distributed, Hypothesis Test (ANOVA) could not be conducted to check whether there was any effect of Industry on Market Capitalization.

Next Steps

01

Data Expansion

Gather more comprehensive data on industry trends, consumer behavior, and competitor strategies

02

Metric Comparison

Evaluate Revenue, Profit Margins, ROI, and Debt Levels to identify competitive edges.

03

Advanced Analysis

Implement Correlation, Regression, Cluster, Trend, and SWOT analyses for deeper insights.

References

- [Presentation Cover Picture](#)
- Datasets used:
 - [Top 500 Companies in India](#)
 - [ET Top 500 Indian Companies \(2009-2021\)](#)
 - [Nifty 500 fundamental statistics](#)
- [Market Capitalization - Basics, Definition, How to Calculate](#)
- [Market Capitalization Basics: Large cap, Mid cap & Small cap companies](#)
- [Market Cap To Sales Ratio: Why It's Important? - StockEdge Blog](#)

Appendices

- [Project Details Document](#)
- [GitHub Project Documentation](#)
- [Data Cleaning Changelog](#)
- [Financial Analysis Workflow 1 Data Cleaning](#)
- [Financial Analysis Workflow 2 Data Transforming](#)
- [Financial Analysis Workflow 3 Data Analysis](#)
- [Power BI Dashboard](#)



THANK YOU

FOR YOUR ATTENTION

Presented by
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