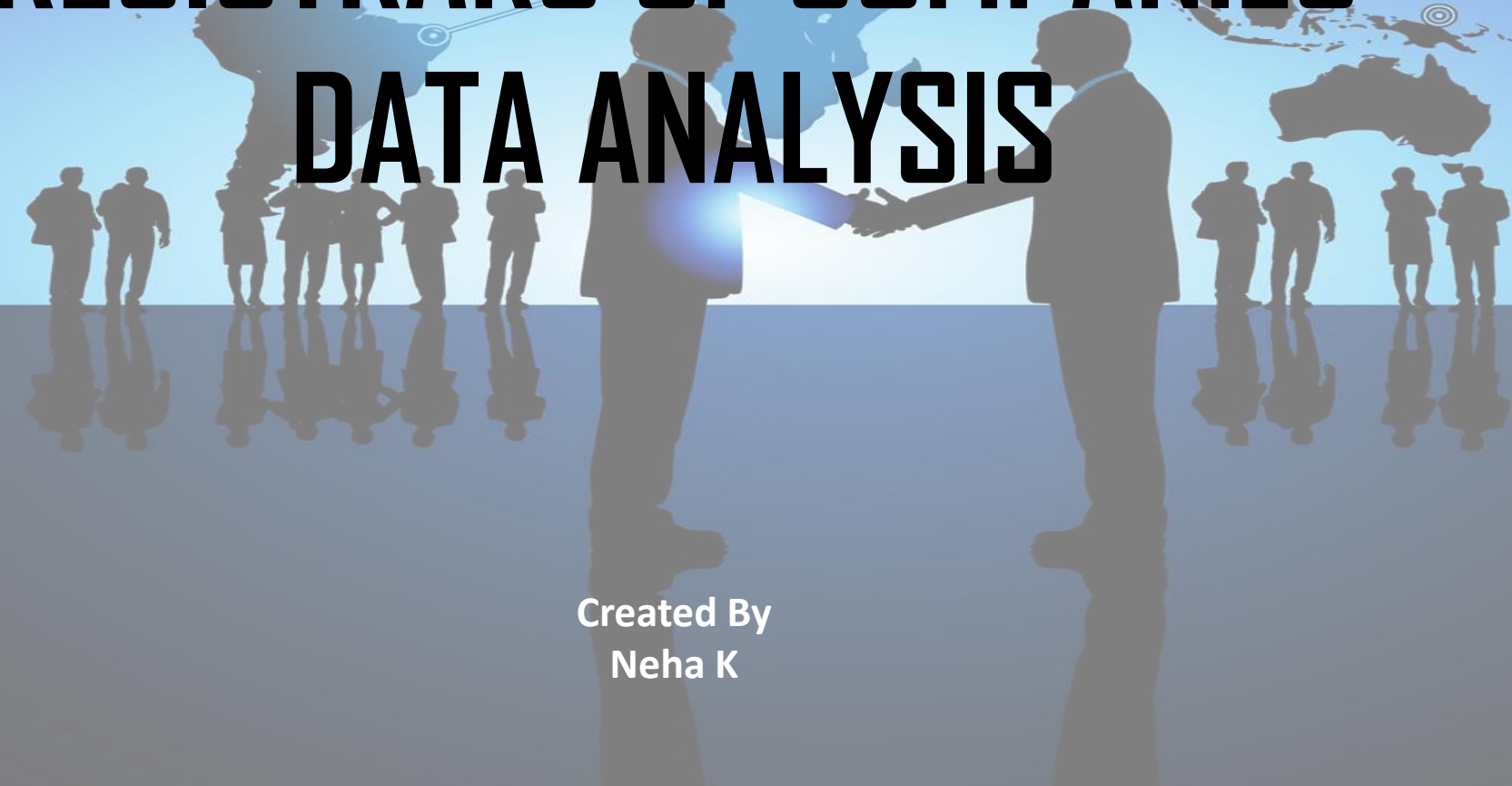


REGISTRARS OF COMPANIES DATA ANALYSIS



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DATASET OVERVIEW

- **Coverage:** The dataset includes information on 1,68,165 registered companies across various ROC jurisdictions in India.
- **Company Profile:** Contains details such as Company Name, Corporate Identification Number CIN, ROC Code, Company Category, Subcategory, and Class.
- **Financial Data:** Includes Authorized Capital and Paid-up Capital figures for each company.
- **Operational Status:** Tracks Listing Status (Listed/Unlisted) and Company Status Active, Strike Off, etc.
- **Geographical Data:** Provides Registered Office Address and State Code for location insights.
- **Industry Classification:** Captures the NIC Code and corresponding Industrial Classification to categorize business sectors.

TOOLS USED

SQL

Power BI

STEPS FOLLOWED

1. Imported the CSV file into SQL Server Management Studio (SSMS) for initial data analysis.
2. Identified inconsistencies and anomalies in the dataset through exploratory data checks.
3. Removed duplicate records and applied necessary formatting to ensure data cleanliness and consistency.
4. Exported the cleaned dataset and imported it into Power BI for visualization.
5. Developed insightful visualizations using appropriate charts to effectively represent key metrics and trends.

FINDINGS

1. What is the total number of companies recorded in the dataset?

```
SELECT COUNT(DISTINCT company_name) AS TotalCompanies  
FROM ROC;
```

	TotalCompanies
1	168185

- There are totally 168,185 companies in the data.

2. How are the companies distributed across different categories?

```
SELECT Company_Category, COUNT(*) as Num_of_companies
FROM ROC
GROUP BY Company_Category
```

	Company_Category	Num_of_companies
1	Company limited by shares	167484
2	Company limited by guarantee	574
3	Unlimited company	127

- Companies limited by shares are the most common, followed by companies limited by guarantee, while unlimited companies are the least common.

3. How are the companies distributed across different sub categories?

```
SELECT Company_Sub_Category, COUNT(*) as Num_of_Companies
FROM ROC
GROUP BY Company_Sub_Category
ORDER BY Num_of_Companies DESC
```

	Company_Sub_Category	Num_of_Companies
1	Non-government company	164267
2	subsidiary of company incorporated outside India	3676
3	State government company	124
4	Guarantee and association Company	97
5	Union government company	21

- Non-government companies dominate the landscape, followed by a much smaller share of foreign subsidiaries, while Union government companies are the rarest.

4. What is the total number of companies in each class?

```
SELECT Company_Class, COUNT(*) as Num_of_Companies
FROM ROC
GROUP BY Company_Class
ORDER BY Num_of_Companies DESC
```

	Company_Class	Num_of_Companies
1	Private	156620
2	One Person Company	6934
3	Public	4631

- Companies in the private sector are the most prevalent, followed by one person companies, while public sector companies are the least common.

5. In which year was the highest number of companies registered?

```
SELECT TOP 1  
    YEAR(Company_Registration_Date) AS Registration_Year,  
    COUNT(*) AS Company_Count  
FROM ROC  
GROUP BY YEAR(Company_Registration_Date)  
ORDER BY Company_Count DESC;
```

	Registration_Year	Company_Count
1	1882	25308

- 1882 experienced highest number of registrations.

6.Which are the top 5 companies with the highest authorized capital and the bottom 5 with the lowest?

```
SELECT TOP 5
    Company_Name,
    Authorized_Capital
FROM ROC
ORDER BY Authorized_Capital DESC ---top 5---
```

	Company_Name	Authorized_Capital
1	INNOVATIVE RETAIL CONCEPTS PRIVATE LIMITED	90000000000
2	OLA ELECTRIC MOBILITY LIMITED	83184998850
3	BALDOTA STEEL AND POWER LIMITED	75000000000
4	NAVI TECHNOLOGIES LIMITED	75000000000
5	ACKO TECHNOLOGY & SERVICES PRIVATE LIMITED	71108797030

```
SELECT TOP 5
    Company_Name,
    Authorized_Capital
FROM ROC
ORDER BY Authorized_Capital ASC---Bottom 5---
```

	Company_Name	Authorized_Capital
1	JRGC FORUM	0
2	MATHEW AND GHOSH SUSTAINABLE CREATION CARE FOUNDA...	0
3	PARAMBEE FOUNDATION	0
4	ADVANCED RESEARCH AND LEARNING COUNCIL	0
5	OHANA JAPANESE LANGUAGE SCHOOL FOUNDATION	0

7.What is the number of listed and unlisted companies?

```
SELECT
    Listingstatus,
    COUNT(*) AS CompanyCount
FROM ROC
GROUP BY Listingstatus;
```

	Listingstatus	CompanyCount
1	Listed	216
2	Unlisted	167969

- Unlisted companies are the most common, whereas listed companies are the least represented.

8. Present the count of companies based on their respective statuses?

```
SELECT
    Company_Status AS Status,
    COUNT(*) AS CompanyCount
FROM ROC
GROUP BY Company_Status
ORDER BY CompanyCount DESC;
```

	Status	CompanyCount
1	Active	111660
2	Strike Off	52270
3	Amalgamated	1136
4	Under process of striking off	908
5	Under Liquidation	692
6	Converted to LLP	632
7	Dissolved (Liquidated)	358
8	Inactive for e-filing	235
9	Dormant under section 455	163

10	Under CIRP	67
11	Dissolved under section 5...	55
12	Dissolved under section 54	8
13	Dissolved	1

- Active companies are the most common, followed by those that are struck off, while dissolved companies are the least common.

9.What is the number of companies categorized by industrial classification?

```
SELECT top 5
    Company_Industrial_Classification,
    COUNT(*) AS CompanyCount
FROM ROC
GROUP BY Company_Industrial_Classification
ORDER BY CompanyCount DESC;
```

	IndustrialClassification	CompanyCount
1	BUSINESS SERVICES	65988
2	COMMUNITY, PERSONAL AND SOCIAL SERVICES	20273
3	TRADING	16386
4	CONSTRUCTION	8862
5	MANUFACTURING (MACHINERY AND EQUIPMENTS)	8131

- Business services companies are the most common, followed by those that are community services companies, while manufacturing companies are the least common.

10.Which company category has the highest authorized capital? Also, display the corresponding paid-up capital for each?

```
SELECT TOP 1 Company_Name, Authorized_Capital, Paidup_Capital
FROM ROC
ORDER BY Authorized_Capital DESC --highest--
```

	Company_Name	Authorized_Capital	Paidup_Capital
1	INNOVATIVE RETAIL CONCEPTS PRIVATE LIMITED	90000000000	28593433200

11.Categorize average authorized capital and average paid-up capital based on company class?

```
SELECT
    Company_Class,
    AVG(Authorized_Capital ) AS AvgAuthorized_Capital,
    AVG(PaidUp_Capital)AS AvgPaidUp_Capital
FROM ROC
GROUP BY Company_Class
ORDER BY AvgAuthorized_Capital DESC;
```

	CompanyClass	AvgAuthorized_Capital	AvgPaidUp_Capital
1	Public	360441579	224395419
2	Private	15919885	10720924
3	One Person Company	369192	108638

- Public sector companies have the highest authorized capital, followed by private companies, while one person companies have the lowest.

12. Categorize average authorized capital and average paid-up capital based on company sub category ?

```
SELECT
    Company_Sub_Category,
    AVG(Authorized_Capital) AS AvgAuthorized_Capital,
    AVG(PaidUp_Capital) AS AvgPaidUpCapital
FROM ROC
GROUP BY Company_Sub_Category
ORDER BY AvgAuthorized_Capital DESC;
```

	CompanySubCategory	AvgAuthorized_Capital	AvgPaidUpCapital
1	Union government company	5359641022	5772757255
2	State government company	2097569555	1945067554
3	subsidiary of company incorporated outside India	118031353	74984308
4	Non-government company	20445897	12668255
5	Guarantee and association Company	174339	48146

- Union government companies have the highest authorized capital, followed by state government companies, while guarantee and association companies have the lowest.

13.Which industry has highest average authorised capital and which has lowest authorised capital?

```
SELECT TOP 1
    Company_Industrial_Classification,
    AVG(Authorized_Capital) AS AvgAuthorizedCapital
FROM ROC
GROUP BY Company_Industrial_Classification
ORDER BY AvgAuthorizedCapital DESC;
```

	Industry	AvgAuthorizedCapital
1	Insurance	764138595

```
SELECT TOP 1
    Company_Industrial_Classification,
    AVG(Authorized_Capital)AS AvgAuthorized_Capital
FROM ROC
GROUP BY (Company_Industrial_Classification)
ORDER BY AvgAuthorized_Capital;
```

	Industry	AvgAuthorized_Capital
1	Others	8497641

- Insurance industry has highest authorized capital, while others have lowest .

14. Which year saw the most company strike-offs?

```
SELECT TOP 1
    YEAR(Company_Registration_Date) AS StrikeOffYear,
    COUNT(*) AS StrikeOffCount
FROM ROC
GROUP BY YEAR(Company_Registration_Date)
ORDER BY StrikeOffCount DESC;
```

	StrikeOffYear	StrikeOffCount
1	1882	10219

- Year 1882 has experienced highest strike off count.

15. Are there any companies with authorized capital but zero paid-up capital?

```
SELECT COUNT(*) AS ZeroPaidUpCapitalCompanies
FROM ROC
WHERE
    Authorized_Capital > 0 AND
    Paidup_Capital = 0;
```

	ZeroPaidUpCapitalCompanies
1	4204

- There are totally 4,204 companies with zero paid up capital.

16. Are there companies where paid-up capital exceeds authorized capital?

```
SELECT COUNT(*) AS OverPaidCapitalCompanies
FROM ROC
WHERE
    Authorized_Capital >= 0 AND
    Paidup_Capital > Authorized_Capital;
```

	OverPaidCapitalCompanies
1	105

- There are totally 105 companies whose paid up capital exceeds authorized capital .

17. What percentage of companies fall into the top 5 most common company categories?

```
WITH TotalCompanies AS (  
    SELECT COUNT(*) AS TotalCount  
    FROM ROC  
)  
  
Top5Categories AS (  
    SELECT TOP 5  
        Company_Category,  
        COUNT(*) AS CategoryCount  
    FROM ROC  
    GROUP BY Company_Category  
    ORDER BY CategoryCount DESC  
)  
  
SELECT  
    T5.Company_Category,  
    T5.CategoryCount,  
    CAST(T5.CategoryCount AS FLOAT) / T.TotalCount * 100 AS PercentageOfTotal  
FROM Top5Categories T5  
CROSS JOIN TotalCompanies T  
ORDER BY T5.CategoryCount DESC;  
SELECT *  
FROM ROC  
WHERE  
    TRY_CAST([Company_Registration_Date] AS DATE) >= DATEADD(YEAR, -1, GETDATE())  
AND Company_Status = 'Strike Off';
```

	Company_Category	CategoryCount	PercentageOfTotal
1	Company limited by shares	167484	99.5831970746499
2	Company limited by guarantee	574	0.341290840443559
3	Unlimited company	127	0.0755120849065018

18. What percentage of companies fall into the top 5 most common company categories?

```
SELECT Company_Name, Company_ROC_Code, Company_State_Code
FROM CODE
```

	Company_Name	Company_ROC_Code	Company_State_Code
1	ECOCERT INDIA PRIVATE LIMITED	ROC Delhi	kamataka
2	SUNFLOWER LIFESTYLE PRIVATE LIMITED	ROC Shillong	kamataka
3	ENVERON BIOSCIENCE PRIVATE LIMITED	ROC Kolkata	kamataka
4	BIOGENICS PHARMA PRIVATE LIMITED	ROC Kolkata	kamataka
5	BLUEKITE LEARNING PRIVATE LIMITED	ROC Hyderabad	kamataka
6	FATHER AND SON OVERSEAS PRIVATE LIMITED	ROC Mumbai	Kamataka
7	C AND A REAL ESTATE PRIVATE LIMITED	ROC Mumbai	Kamataka
8	INTOAI TECHNOLOGIES PRIVATE LIMITED	ROC Emakulam	kamataka
9	SHAHEER ABBAS SUPPORT SERVICES PRIVAT...	ROC Kanpur	karantaka
10	WESTLAKE EPOXY INDIA PRIVATE LIMITED	ROC Mumbai	Kamataka
11	SIHA TECHNOLOGIES PRIVATE LIMITED	ROC Emakulam	kamataka
12	ATOMICDOT TECHNOLOGIES PRIVATE LIMITED	ROC Patna	kamataka
13	BHAGIRATHA LIME AND CHEMICALS LIMITED	ROC Hyderabad	kamataka
14	SAROJ RESIDENCY PRIVATE LIMITED	ROC Mumbai	Kamataka
15	LUCRAFT PRIVATE LIMITED	ROC Emakulam	kamataka
16	ARR AGRO & FOOD INDUSTRIES PRIVATE LIMI...	ROC Chennai	kamataka
17	ECOCERT INDIA PRIVATE LIMITED	ROC Delhi	kamataka

18	BHAGIRATHA LIME AND CHEMICALS LIMITED	ROC Hyderabad	kamataka
19	BIOGENICS PHARMA PRIVATE LIMITED	ROC Kolkata	kamataka
20	SIHA TECHNOLOGIES PRIVATE LIMITED	ROC Emakulam	kamataka
21	ATOMICDOT TECHNOLOGIES PRIVATE LIMITED	ROC Patna	kamataka
22	C AND A REAL ESTATE PRIVATE LIMITED	ROC Mumbai	Kamataka
23	INTOAI TECHNOLOGIES PRIVATE LIMITED	ROC Emakulam	kamataka
24	SHAHEER ABBAS SUPPORT SERVICES PRIVAT...	ROC Kanpur	karantaka
25	WESTLAKE EPOXY INDIA PRIVATE LIMITED	ROC Mumbai	Kamataka
26	ENVERON BIOSCIENCE PRIVATE LIMITED	ROC Kolkata	kamataka
27	ARR AGRO & FOOD INDUSTRIES PRIVATE LIMI...	ROC Chennai	kamataka
28	BLUEKITE LEARNING PRIVATE LIMITED	ROC Hyderabad	kamataka
29	FATHER AND SON OVERSEAS PRIVATE LIMITED	ROC Mumbai	Kamataka
30	SUNFLOWER LIFESTYLE PRIVATE LIMITED	ROC Shillong	kamataka
31	SAROJ RESIDENCY PRIVATE LIMITED	ROC Mumbai	Kamataka
32	LUCRAFT PRIVATE LIMITED	ROC Emakulam	kamataka

RECOMMENDATIONS

- Given that companies limited by shares are the most common, a company seeking funding may consider adopting this structure to align with investor preferences and facilitate capital raising.
- Since non-government companies dominate the market, other company types face less competition, making them a strategic choice for businesses seeking niche opportunities
- Unlisted companies can consider going public, as listing may enhance their access to funding and increase market visibility.
- Since many companies have been struck off, it is advisable for active companies to implement proper compliance and governance measures to avoid the risk of strike-off.
- Although Innovate Concepts Private Limited has the highest authorized capital, its paid-up capital remains relatively low; therefore, it should consider measures to increase its paid-up capital to fully leverage its funding potential.
- Given the high number of strike-offs in the year 1882, active companies should analyze the circumstances and causes from that period and develop strategies to prevent similar outcomes.

- Compared to public and private companies, one person companies have a lower proportion of paid-up capital relative to their authorized capital; hence, they should take steps to increase their paid-up capital to improve financial credibility and operational capacity.
- Companies with authorized capital but zero paid-up capital should take immediate measures to raise paid-up capital in order to activate their financial standing and begin operations effectively.
- Companies with paid-up capital exceeding their authorized capital should take proactive measures to avoid unnecessary competition and ensure their financial structure remains sustainable

Registrars of Companies Data Analysis



Company Status

All

Company Category

All

Company Class

All

168185

Total Companies

24.77M

Avg of Authorized Capital

16.17M

Avg of Paidup Capital



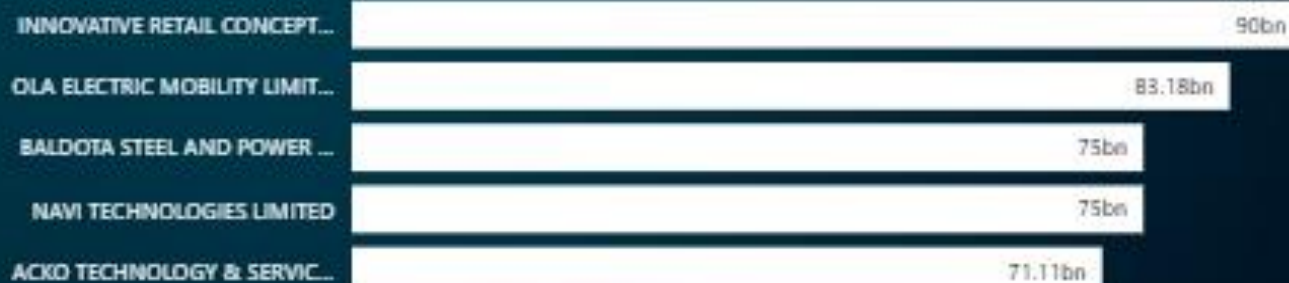
Total Companies by Category

167484



● Limited by Shares ● Limited by Guarantee ● Unlimited company

Top 5 Companies by Authorized Capital



Total Companies by Sub Category

164267



Non-government
company

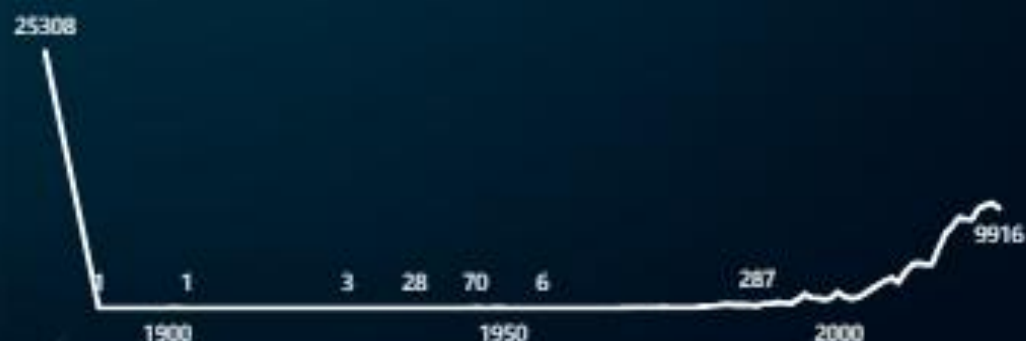
3676
subsidiary
company
incorporated out...

124
State government
company

97
Guarantee and
association
Company

21
Union government
company

Trend of Companies by Year



Company Status

All

Company Category

All

Company Class

All



Total Companies by Listing Status



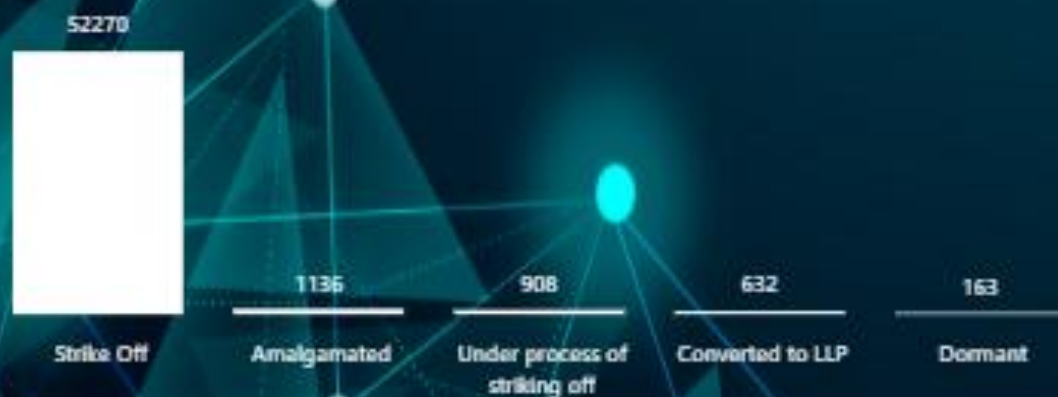
Total Companies by ROC Code



Total Companies by Class



Total Companies by Status



Total Companies by Industrial Classification



THANK YOU