

INTRODUCTION

This assignment uses data from the given data of companies that are registered in the Leh and Ladakh region.

It has the following columns:

CORPORATE_IDENTIFICATION_NUMBER	Unique identification number for the company
Company_Name	Company's name
Company_status	Active / Strike off. Strike off means closed
Company_class	Public (means listed in stock markets) or Private (means not listed in stock markets)
Company_Category	Company category - limited by shares etc. Not important for this prob statement
Company_sub_category	Company sub category - govt / non govt etc. Not important for this prob statement
DATE_OF_REGISTRATION	When was the company registered?
REGISTERED_STATE	Which state did the company get registered in?
AUTHORIZED_CAP	Maximum amount of capital for which shares can be issued by the company (Read more here: https://cleartax.in/s/authorised-capital-vs-paid-up-capital/)
PAIDUP_CAPITAL	Amount of money for which shares have been issued by the company
Industrial_Class	Industry code
PRINCIPAL_BUSINESS_ACTIVITY_AS_PER_CIN	Sector the company operates in
Registered_Office_Address	Office address
REGISTRAR_OF_COMPANIES	Registrar code
EMAIL_ADDR	Contact email address
Latest_Year_AR	-
Latest_Year_BS	-

- Dataset : data.xlsx
- Interpreter/Environment : python 3
- Library used : pandas,matplotlib,numpy

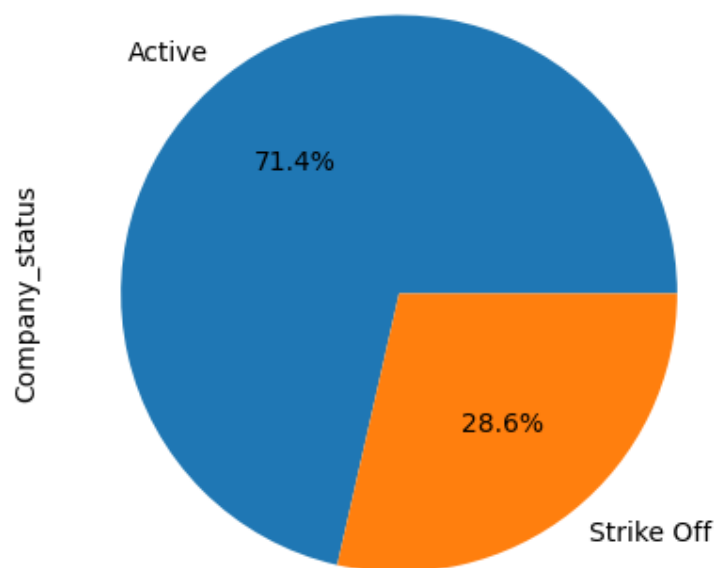
Loading the data

- loading the dataset into python using pandas library
import pandas as pd
data='data.xlsx'
d=pd.read_excel(data)
- Data consist of 63 rows and 17 columns
- Each row contains the information about individual company

Making Plots

Our overall goal here is simply to examine how the region of Leh & Ladakh is ouccupied by various companies. To achieve this goal we use various criteria to examine the data.

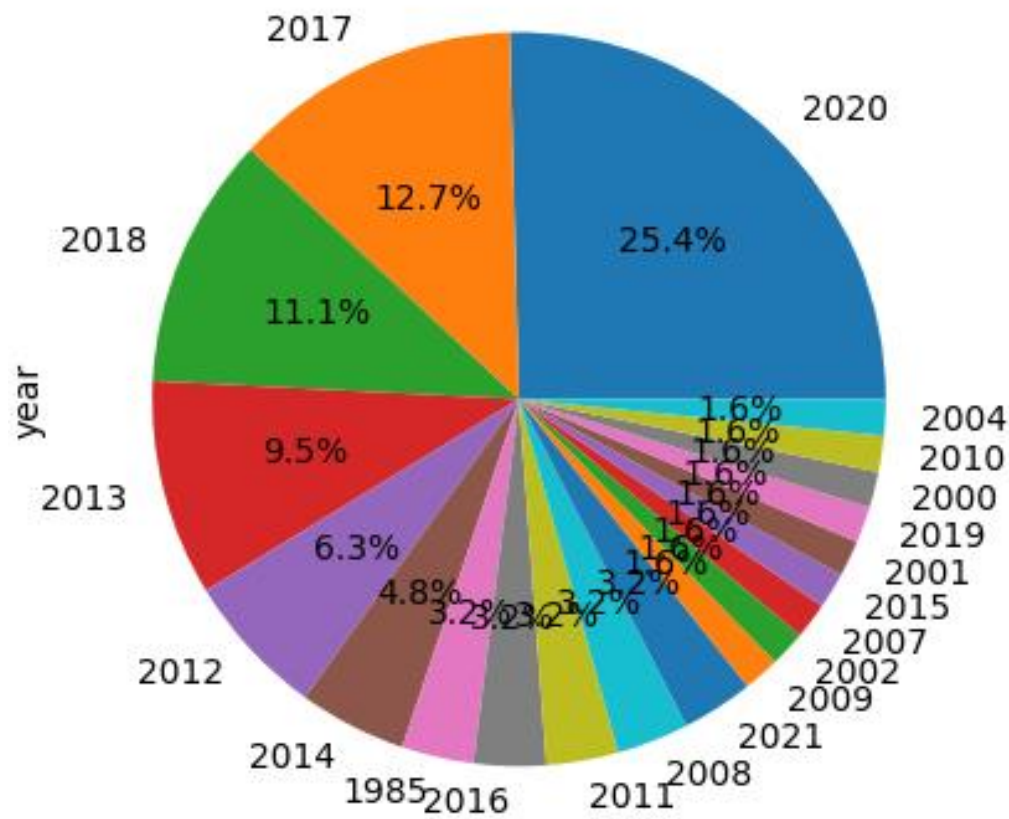
- **Company Status**
Company status is classified into two classes “Active” and “Strike off”



This pie chart shows that out of all companies 71.4% are in active state and 28.6% are in strike off state.

- **Registration Year**

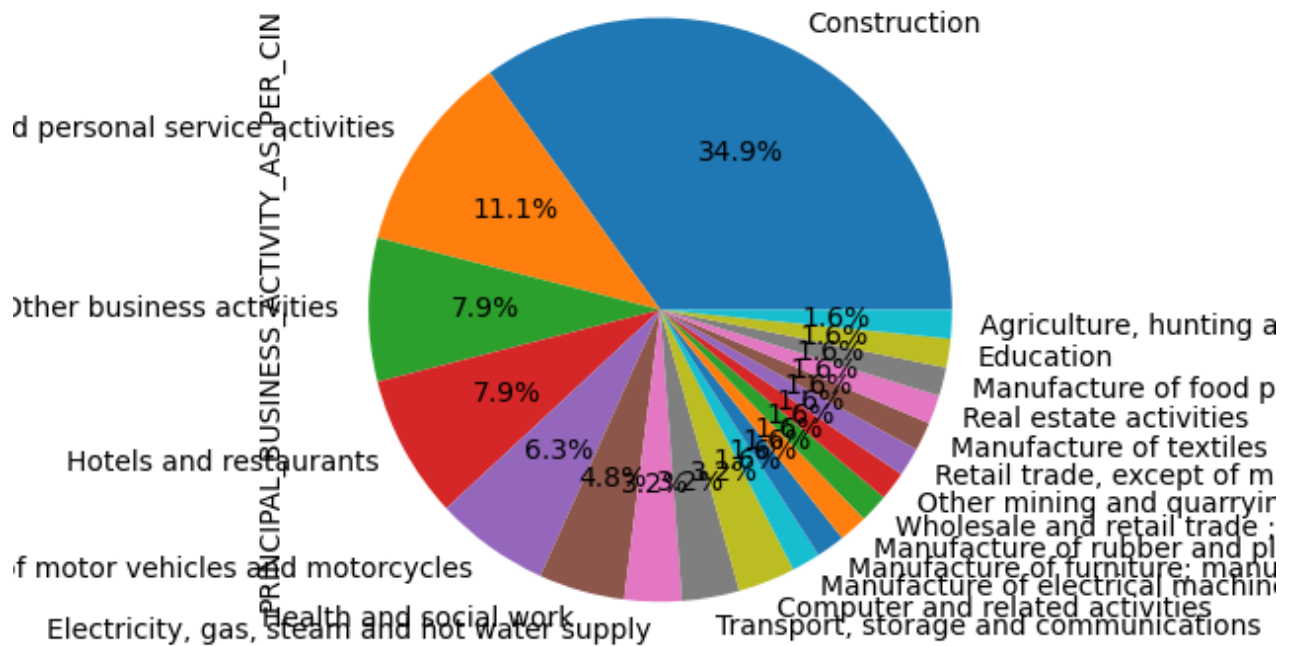
Registration year is classifies the data on the basis of the registration year of the company



This plot shows the number of companies registered in the following year
 Example , 25.4% of the companies are registered in the year 2020.

- Company Sector**

The company sector gives the information about the sector in which the company is working.



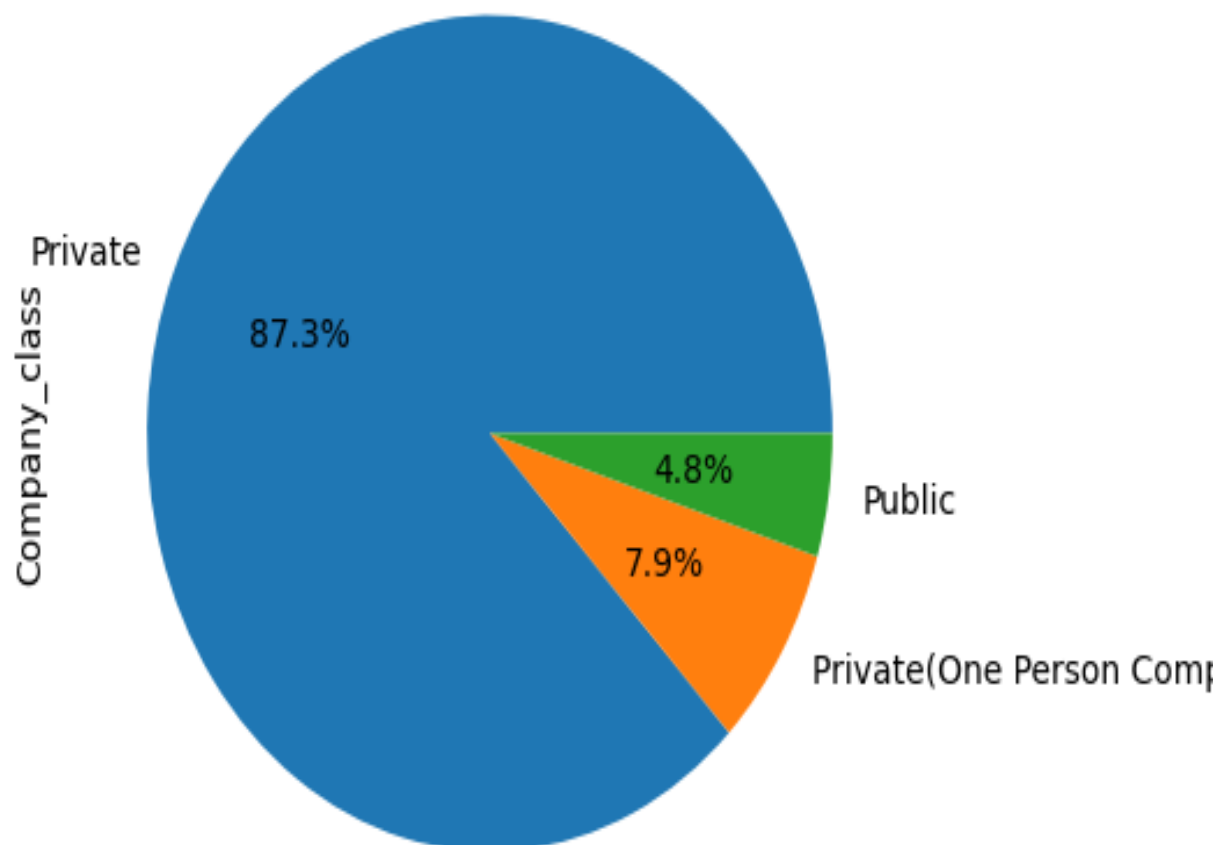
From the above plot we get information about the sector of the companies . out of all companies 34.9% are working in construction sector , 7.9% in hotel and restaurants ,and further more details we get from this plot.

- **Company Class**

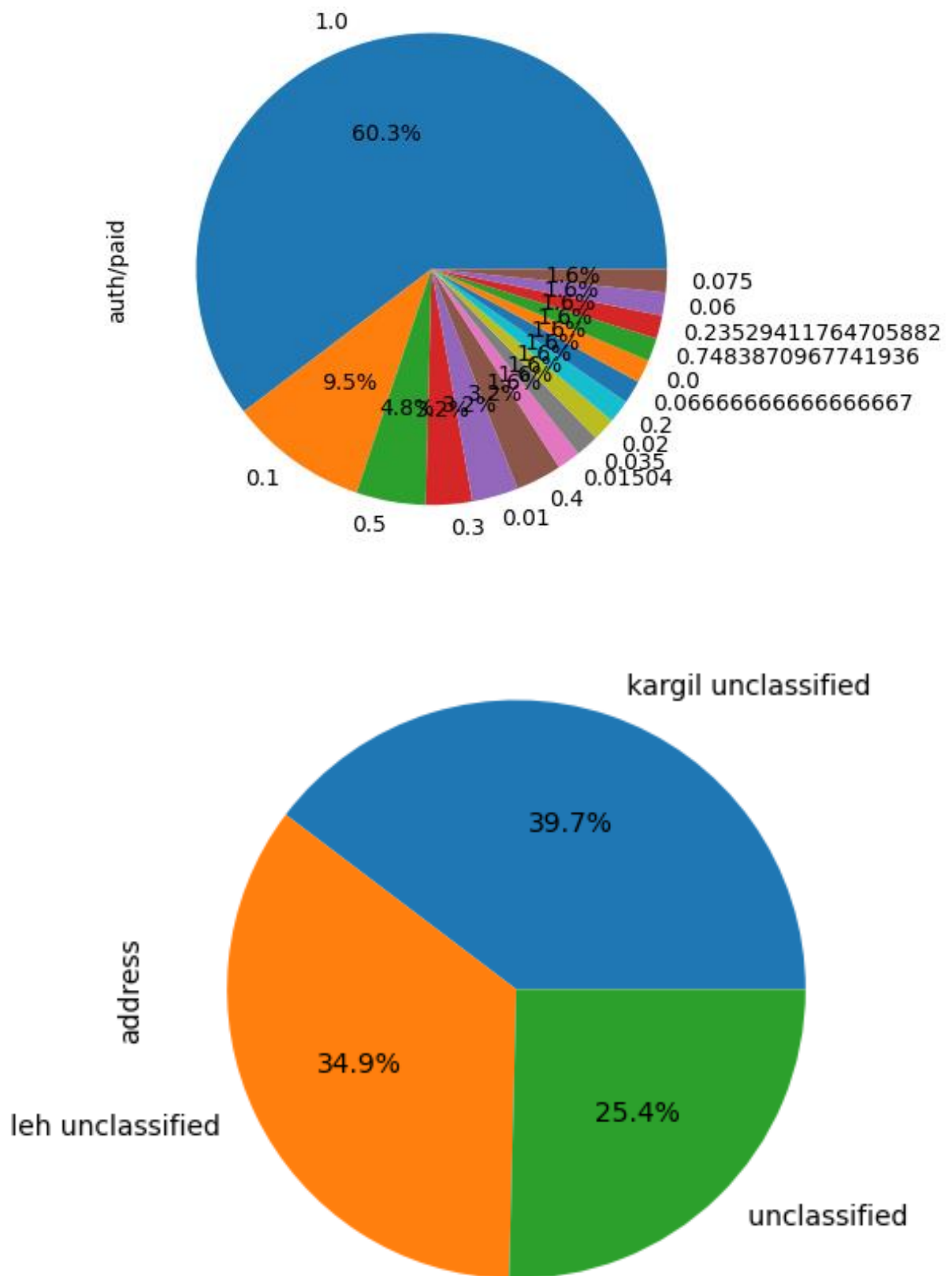
Class of companies consist of 3 types

1. Private
2. Public
3. Private(one person company)

The 87.3% of companies are private ,4.8% are public and 7.9% are also private but these companies are one person company



Similarly various information is gathered from various plots for the analysis of data set.



Conclusion

From the analysis of given dataset the following conclusion are acquired:

- GRNACO INDUSTRIES AND CONSTRUCTIONSLIMITED company has the highest Authorised capital (50000000) in the activestatus.
- SABOO RESORTS PRIVATE LIMITED company has the highest Paidup capital (11600000) in the active status.

- On the basis of paidup/authorised capital classification

Paidup/auth_capital	No. Of companies
1.000000	38
0.100000	6
0.500000	3
0.300000	2
0.010000	2
0.400000	2
0.015040	1
0.035000	1
0.020000	1
0.200000	1
0.066667	1
0.000000	1
0.748387	1
0.235294	1
0.060000	1
0.075000	1

- On the basis of Registration year classification

Registration year	No. Of companies
2020	16
2017	8
2018	7
2013	6
2012	4
2014	3
1985	2
2016	2
2011	2
2008	2
2021	2
2009	1
2002	1
2007	1
2015	1
2001	1
2019	1
2000	1
2010	1
2004	1

- On the basis of sector classification

Sector	No. Of companies
Construction	22
Other community, social and personal service activities	7
Other business activities	5
Hotels and restaurants	5
Other	24

Where other includes

1. Electricity, gas, steam and hot water supply
2. Transport, storage and communications
3. Computer and related activities
4. Manufacture of electrical machinery and apparatus n.e.c.
5. Manufacture of furniture; manufacturing n.e.c.
6. Manufacture of rubber and plastics products
7. Wholesale and retail trade ; repair of motor vehicles, motorcycles and personal and household goods
8. Other mining and quarrying
9. Retail trade, except of motor vehicles and motorcycles; repair of personal and household goods
10. Manufacture of textiles
11. Real estate activities
12. Manufacture of food products and beverages
13. Education
14. Agriculture, hunting and related service activities

- On the basis of Company class classification

Class	No. Of companies
Private	55
Private(One Person Company)	5
Public	3

- On the basis of Company status classification

Status	No. Of companies
Active	45
Strike Off	18

- On the basis of Region classification

Region	No. Of companies
kargil unclassified	25
leh unclassified	22
unclassified	16