

DATA ANALYTICS ASSIGNMENT

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SECTION 'C'

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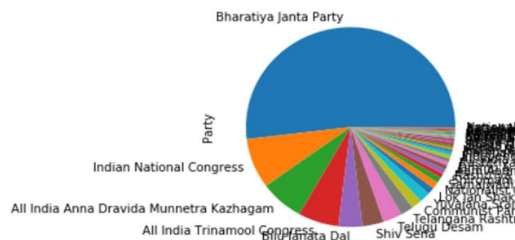
SECTION 'E'

PROBLEM STATEMENT: VISUALIZATION OF LOK SABHA DATASET.

SCREENSHOTS

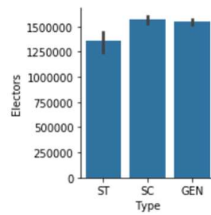
```
In [2]: %matplotlib inline
import matplotlib.pyplot as plt
import pandas as pd
#from pandas.tools.plotting import scatter_matrix
import numpy as np
import seaborn as sns
import statistics as st
from scipy.stats import norm
import re
df=pd.read_csv("IndiaVotes_PC_All_States_2014.csv")

df.Party.value_counts().plot(kind="pie")
plt.legend(bbox_to_anchor=(2,0.7),loc='best')
plt.show()
```

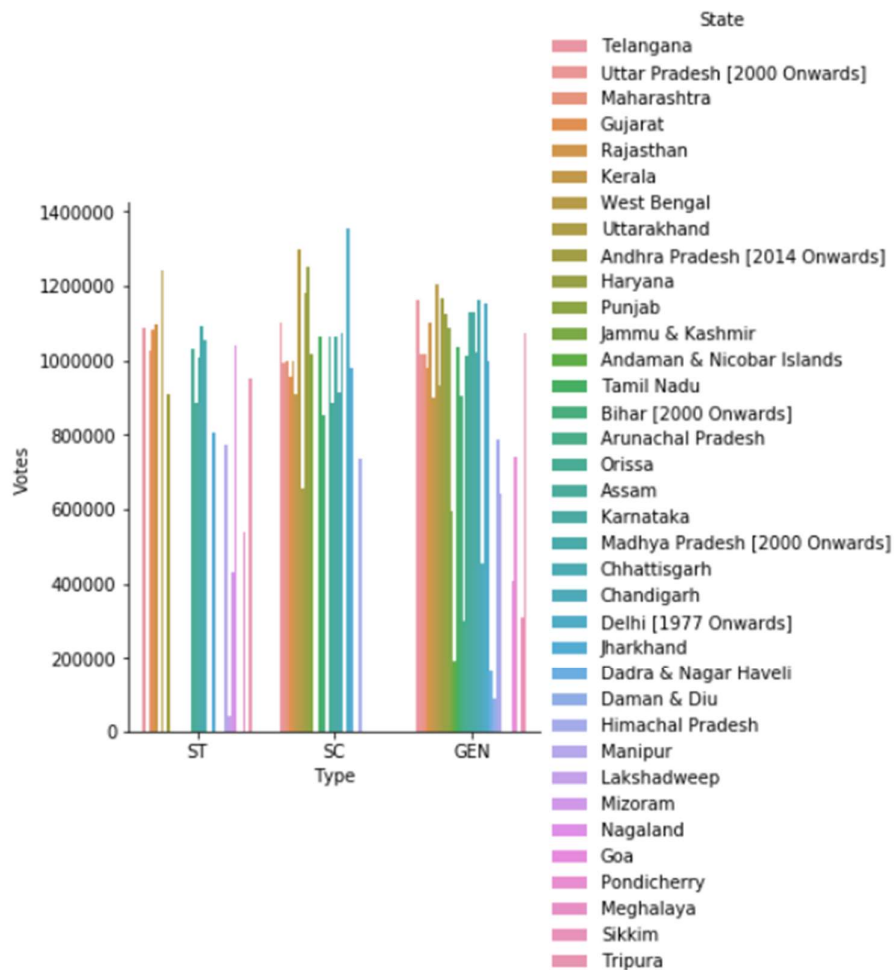


```
In [3]: g = sns.FacetGrid(df)
g.map(sns.barplot, 'Type', "Electors", ci = 95)
plt.show()
```

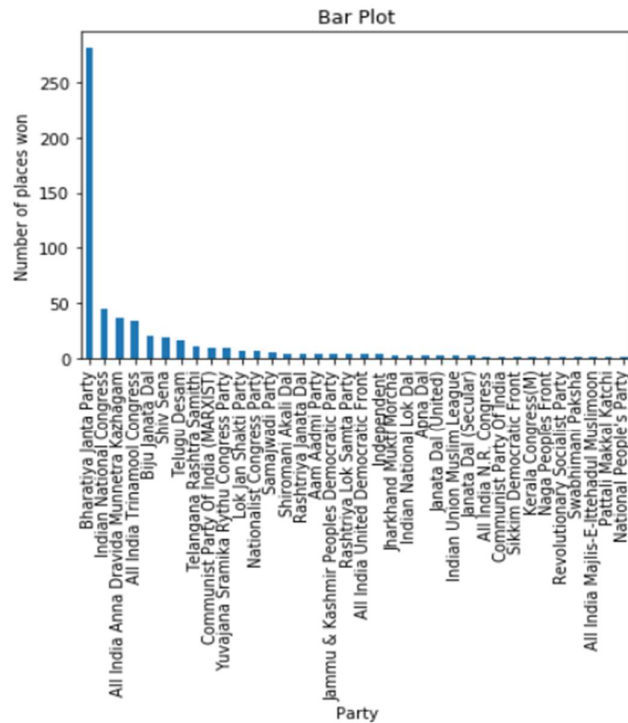
C:\ProgramData\Anaconda3\lib\site-packages\seaborn\axisgrid.py:715: UserWarning: Using the barplot function without specifying 'order' is likely to produce an incorrect plot.
warnings.warn(warning)



```
In [5]: sns.factorplot(x="Type", y="Votes", hue="State", data=df, kind="bar", ci = None)
plt.show()
```



```
In [6]: df.Party.value_counts().plot(kind = "bar")
plt.xlabel('Party')
plt.ylabel('Number of places won')
plt.title('Bar Plot')
plt.show()
```



```
In [7]: sns.boxplot(x='Type', y='Votes', data=df)
#plt.ylim(0, 11)
plt.show()
```

