

Assignment 4 – Data Visualization

Problem Statement:

You work in XYZ Corporation as a Data Analyst. Your corporation has told you to visualize the mtcars.csv dataset with various plots.

Tasks To Be Performed:

1. Plot a pie chart for columns: `cyl` and `model` form the mtcars.csv data frame.

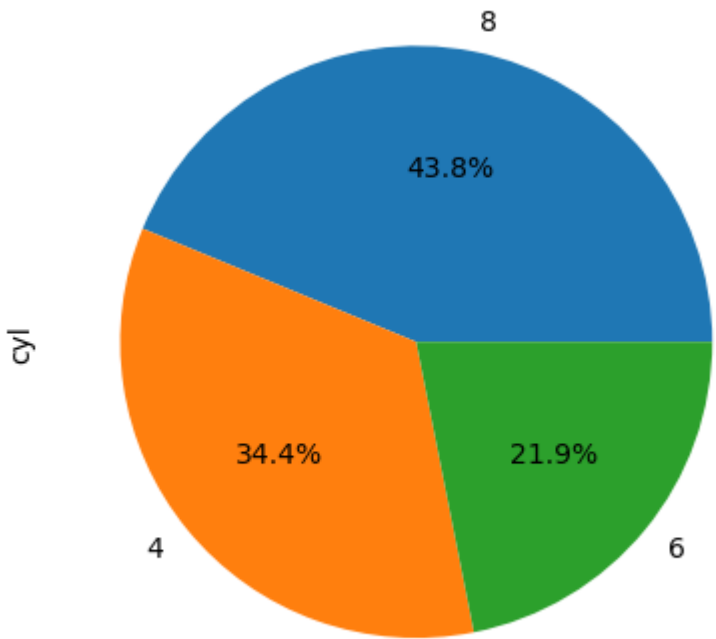
```
In [1]: import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
%matplotlib inline
import seaborn as sns

df = pd.read_csv(r"csv files\cars-4.csv")
df.head()
```

Out[1]:

	model	mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
0	Mazda RX4	21.0	6	160.0	110	3.90	2.620	16.46	0	1	4	4
1	Mazda RX4 Wag	21.0	6	160.0	110	3.90	2.875	17.02	0	1	4	4
2	Datsun 710	22.8	4	108.0	93	3.85	2.320	18.61	1	1	4	1
3	Hornet 4 Drive	21.4	6	258.0	110	3.08	3.215	19.44	1	0	3	1
4	Hornet Sportabout	18.7	8	360.0	175	3.15	3.440	17.02	0	0	3	2

```
In [27]: df['cyl'].value_counts().plot.pie(autopct='%1.1f%%')
plt.show()
```



```
In [29]: plt.figure(figsize=(10,10))
df['model'].value_counts().plot.pie(autopct='%1.1f%%')
plt.show()
```

