Aim: To Perform Basic Visualizations (bar chart, scatter plot, boxplot, histogram etc) for all the columns(numerical data only) on the specified dataset and draw the inferences for the visualizations.

Data Set Link: https://media.geeksforgeeks.org/wp-content/uploads/employees.csv

Answer:

```
import pandas as pd

import numpy as np

# read datasdet using pandas

df = pd.read_csv('employees.csv')

df.head()
```

	First Name	Gender	Start Date	Last Login Time	Salary	Bonus %	Senior Management	Team
0	Douglas	Male	8/6/1993	12:42 PM	97308	6.945	True	Marketing
1	Thomas	Male	3/31/1996	6:53 AM	61933	4.170	True	NaN
2	Maria	Female	4/23/1993	11:17 AM	130590	11.858	False	Finance
3	Jerry	Male	3/4/2005	1:00 PM	138705	9.340	True	Finance
4	Larry	Male	1/24/1998	4:47 PM	101004	1.389	True	Client Services

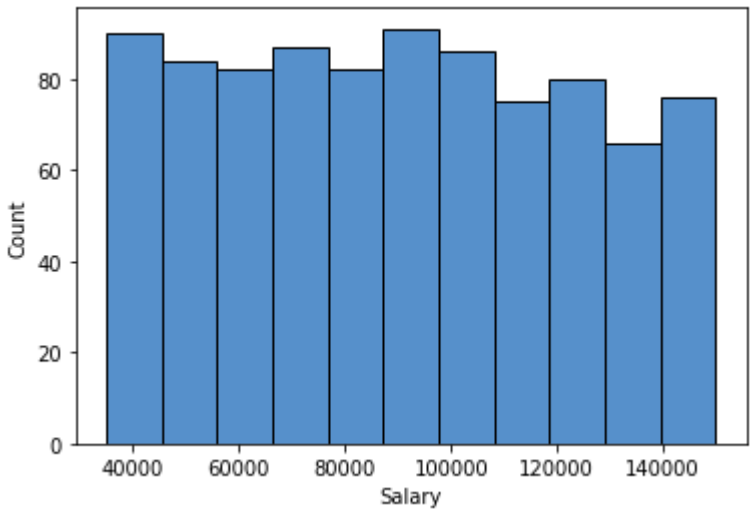
Note You need to perform EDA analysis to work out the following

1. Histogram

It can be used for both uni and bivariate analysis.

```
# importing packages

import seaborn as sns

import matplotlib.pyplot as plt

sns.histplot(x='Salary', data=df, )

plt.show()
```

Output:-

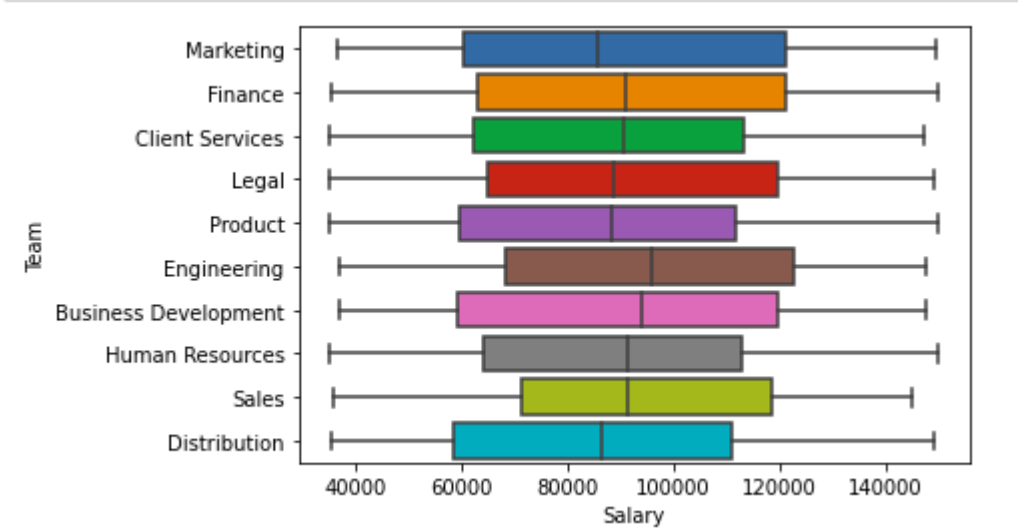


2. **Boxplot**

It can also be used for univariate and bivariate analyses.

```
# importing packages
import seaborn as sns
import matplotlib.pyplot as plt
sns.boxplot( x="Salary", y='Team', data=df, )
plt.show()
```

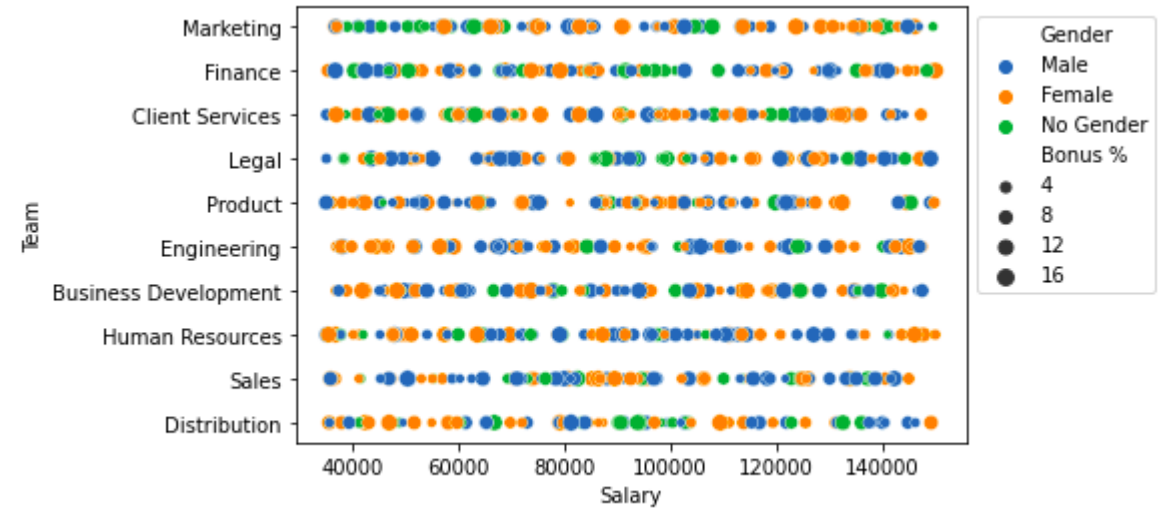
Output:-



3. **Scatter Boxplot For Data Visualization**

It can be used for bivariate analyses.

```
# importing packages
import seaborn as sns
import matplotlib.pyplot as plt
sns.scatterplot( x="Salary", y='Team', data=df,
                                    hue='Gender', size='Bonus %')
# Placing Legend outside the Figure
plt.legend(bbox_to_anchor=(1, 1), loc=2)
plt.show()
```




```
# importing packages
import seaborn as sns
import matplotlib.pyplot as plt
# Load the dataset
df = pd.read_csv('Iris.csv')
sns.boxplot(x='SepalWidthCm', data=df)
```

Output:-