

	GRE Score	TOEFL Score	University Rating	SOP	LOR	CGPA	Research	Chance of Admit
count	400.000000	400.000000	400.000000	400.000000	400.000000	400.000000	400.000000	400.000000
mean	318.887500	107.410000	3.267500	3.400000	3.452500	8.590000	0.547500	0.724350
std	11.473648	8.005514	1.143738	1.000000	0.398478	0.396317	0.490362	0.143689
min	290.000000	92.000000	1.000000	1.000000	1.000000	6.800000	0.000000	0.340000
25%	308.000000	103.000000	2.000000	2.000000	3.000000	8.170000	0.000000	0.640000
50%	317.900000	107.000000	3.000000	3.000000	3.500000	8.880000	1.000000	0.730000
75%	325.000000	112.000000	4.000000	4.000000	4.000000	9.062500	1.000000	0.830000
max	340.000000	120.000000	5.000000	5.000000	5.000000	9.920000	1.000000	0.970000

```
data.info()

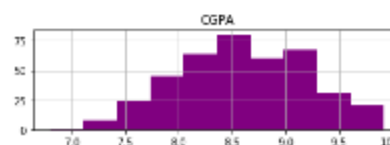
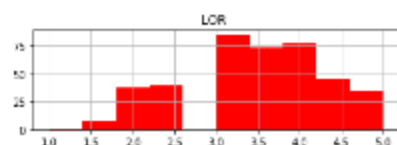
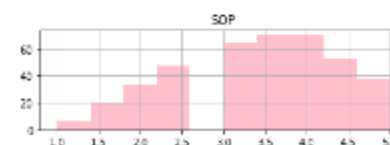
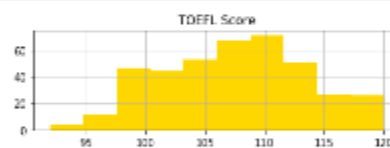
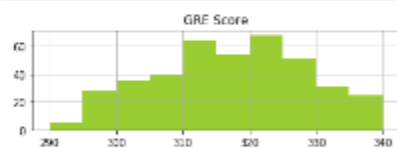
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 400 entries, 0 to 399
Data columns (total 9 columns):
 #   Column              Non-Null Count  Dtype  
---  --
 0   GRE Score           400 non-null    int64  
 1   TOEFL Score         400 non-null    int64  
 2   University Rating    400 non-null    int64  
 3   SOP                 400 non-null    float64 
 4   LOR                 400 non-null    float64 
 5   CGPA                400 non-null    float64 
 6   Research            400 non-null    int64  
 7   Chance of Admit     400 non-null    float64 
dtypes: float64(4), int64(5)
memory usage: 25.1 KB
```

Let us import necessary libraries to get started!

```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
%matplotlib inline
```

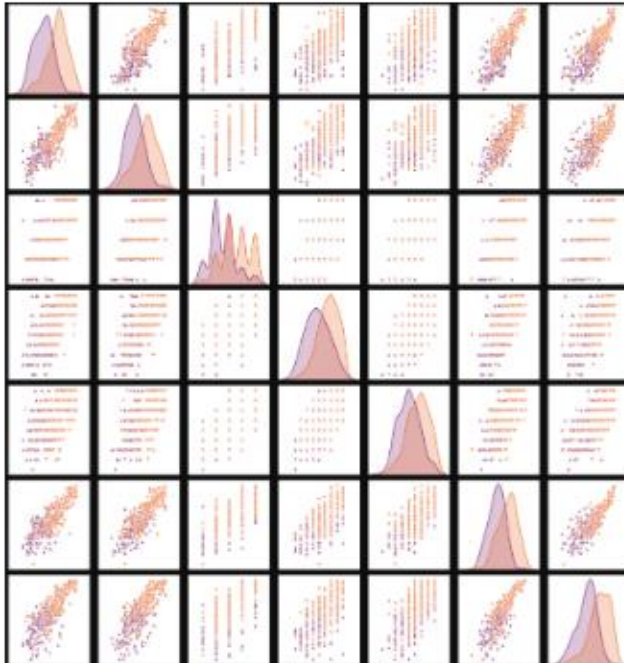
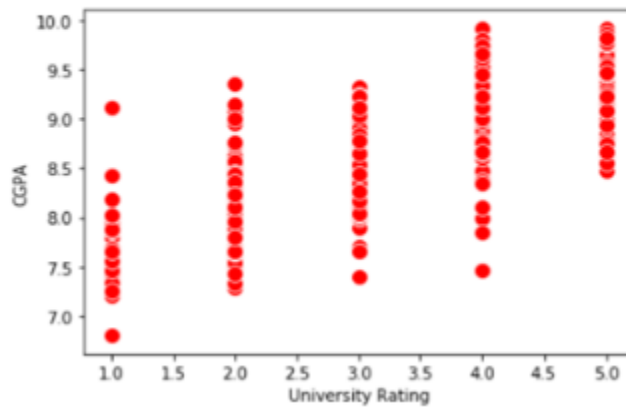
```
category = ['GRE Score', 'TOEFL Score', 'University Rating', 'SOP', 'LOR', 'CGPA', 'Research', 'Chance of Admit']
color = ['yellowgreen', 'gold', 'lightskyblue', 'pink', 'red', 'purple', 'orange', 'gray']
start = True
for i in np.arange(4):
    fig = plt.figure(figsize=(14,8))
    plt.subplot2grid((4,2),(i,0))
    data[category[2*i]].hist(color=color[2*i],bins=10)
    plt.title(category[2*i])
    plt.subplot2grid((4,2),(i,1))
    data[category[2*i+1]].hist(color=color[2*i+1],bins=10)
    plt.title(category[2*i+1])

plt.subplots_adjust(hspace = 0.7, wspace = 0.2)
plt.show()
```



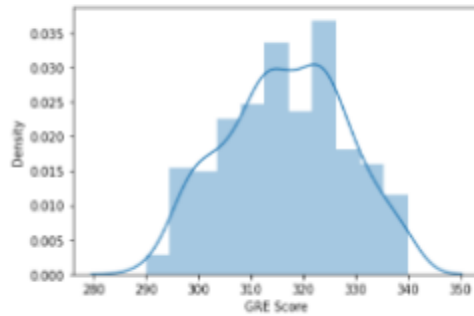
```
sns.scatterplot(x='University_Rating', y='CGPA', data=data, color='Red', s=100)
```

<matplotlib.axes._subplots.AxesSubplot at 0x2b6e49feec8>



```
✓ 100 sns.distplot(data['GRE_Score'])
```

```
⚠ /usr/local/lib/python3.8/dist-packages/seaborn/distributions.py:2619: FutureWarning:
warnings.warn(msg, FutureWarning)
<matplotlib.axes._subplots.AxesSubplot at 0x7fb383bf3e80>
```



UNIVERSITY ADMISSION PREDICTION SYSTEM

Enter your details and get probability of your admission

Enter SATS Score:

Enter TOEFL Score:

Select University:

Enter GPA:

Enter GRE:

Enter CGPA:

Personal:
☐ Research
☒ NO Research

Work:

