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#TASK 3 : Visualization using Histogram
#Create a histogram or bar chart to visualize the distribution of data in a dataclasses_to_dicts
#By NIVEDHA M


#Implementing the Dependencies


import pandas as pd
import seaborn as sns


#Reading the datasets


iris_data = pd.read_csv("Iris.csv")
print(iris_data)
```

```
           Id  SepalLengthCm  SepalWidthCm  PetalLengthCm  PetalWidthCm  \
     0      1            5.1           3.5            1.4           0.2
     1      2            4.9           3.0            1.4           0.2
     2      3            4.7           3.2            1.3           0.2
     3      4            4.6           3.1            1.5           0.2
     4      5            5.0           3.6            1.4           0.2
     ..   ...            ...           ...            ...           ...
     145  146            6.7           3.0            5.2           2.3
     146  147            6.3           2.5            5.0           1.9
     147  148            6.5           3.0            5.2           2.0
     148  149            6.2           3.4            5.4           2.3
     149  150            5.9           3.0            5.1           1.8

                Species
     0      Iris-setosa
     1      Iris-setosa
     2      Iris-setosa
     3      Iris-setosa
     4      Iris-setosa
     ..             ...
     145  Iris-virginica
     146  Iris-virginica
     147  Iris-virginica
     148  Iris-virginica
     149  Iris-virginica

     [150 rows x 6 columns]
```

```
#plotting the histogram for SepalLength
sns.displot(x = "SepalLengthCm", data = iris_data)
```

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     <seaborn.axisgrid.FacetGrid at 0x78389ae7aef0>
```
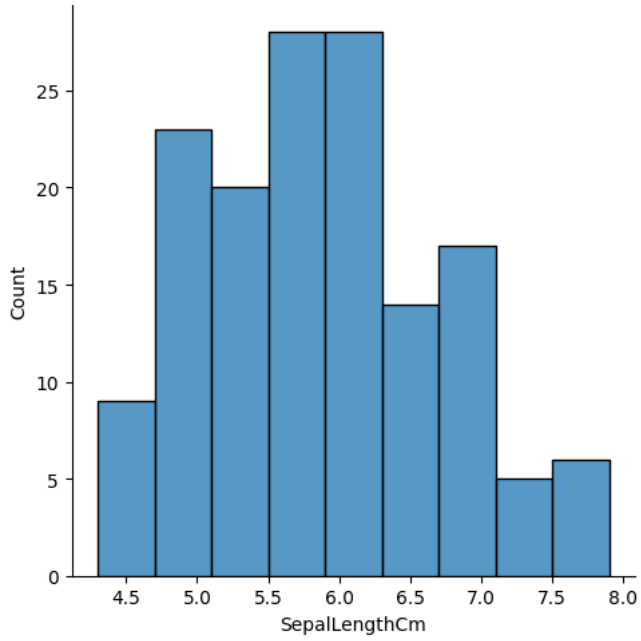
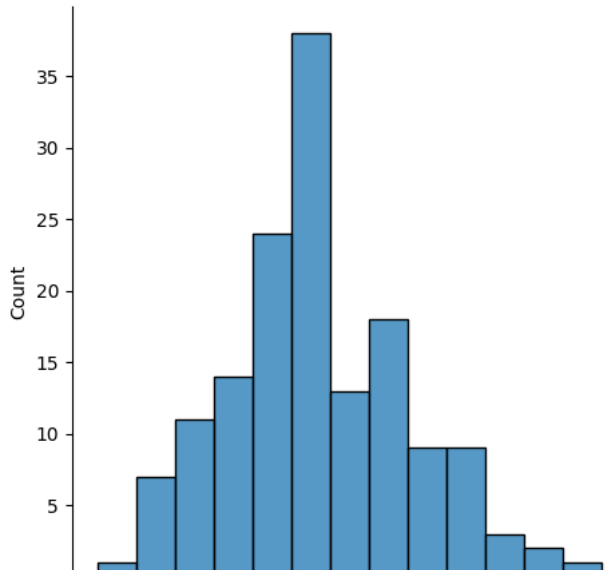



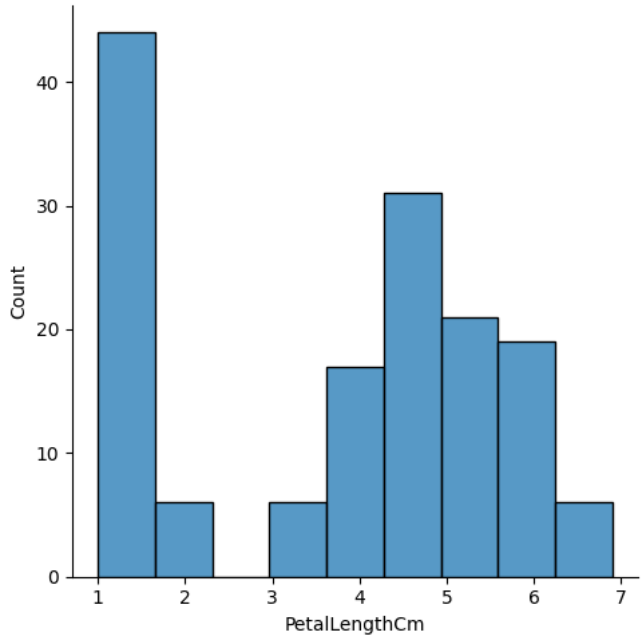

```
#plotting the histogram for SepalWidth
sns.displot(x = "SepalWidthCm", data = iris_data)
```

```
<seaborn.axisgrid.FacetGrid at 0x7838d2440d30>
```




```
#plotting the histogram for PetalLength
sns.displot(x = "PetalLengthCm", data = iris_data)
```

```
<seaborn.axisgrid.FacetGrid at 0x78389a8c7ac0>
```




```
#plotting the histogram for PetalWidth
sns.displot(x = "PetalWidthCm", data = iris_data)
```

```
<seaborn.axisgrid.FacetGrid at 0x78389855b0a0>
```


```
#plotting the histogram for Species
sns.displot(x = "Species", data = iris_data)
```

```
<seaborn.axisgrid.FacetGrid at 0x7838986246d0>
```