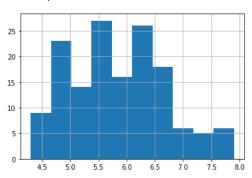
```
In [1]: import pandas as pd
         import numpy as np
         import seaborn as sns
         import matplotlib.pyplot as plt
In [2]: df = pd.read_csv("Iris.csv")
In [3]: df.head()
Out[3]:
            Id SepalLengthCm SepalWidthCm PetalLengthCm PetalWidthCm
                                                                      Species
          0
            1
                                      3.5
                                                    1.4
                                                                    Iris-setosa
                         5.1
                                                                0.2
          1
             2
                          4.9
                                      3.0
                                                    1.4
                                                                0.2 Iris-setosa
             3
                          4.7
                                      3.2
                                                    1.3
                          4.6
                                      3.1
                                                    1.5
                                                                0.2 Iris-setosa
                          5.0
                                      3.6
                                                    1.4
                                                                0.2 Iris-setosa
In [4]: df.dtypes
Out[4]: Id
                               int64
         SepalLengthCm
                             float64
         SepalWidthCm
                             float64
         PetalLengthCm
                             float64
         PetalWidthCm
                            float64
                             object
         Species
         dtype: object
In [5]: df.describe()
Out[5]:
                       Id SepalLengthCm SepalWidthCm PetalLengthCm PetalWidthCm
               150.000000
                              150.000000
                                           150.000000
                                                        150.000000
                                                                     150.000000
          count
                                                                       1.198667
                 75.500000
                               5.843333
                                             3.054000
                                                          3.758667
          mean
            std
                 43.445368
                               0.828066
                                             0.433594
                                                          1.764420
                                                                       0.763161
                 1.000000
                               4.300000
                                             2.000000
                                                          1.000000
                                                                       0.100000
           min
           25%
                 38.250000
                               5.100000
                                             2.800000
                                                          1.600000
                                                                       0.300000
                 75.500000
                               5.800000
                                             3.000000
                                                          4.350000
                                                                       1.300000
           75%
                112.750000
                               6.400000
                                             3.300000
                                                          5.100000
                                                                       1.800000
               150.000000
                               7.900000
                                             4.400000
                                                          6.900000
                                                                       2.500000
In [6]: df.hist(bins=4)
Out[6]: array([[<AxesSubplot:title={'center':'Id'}>,
                  <AxesSubplot:title={'center':'SepalLengthCm'}>],
                 dtype=object)
                                          SepalLengthCm
                                    40
          20
                                    20
                 SepalWidth@m
                                          RetalLengthCm
                                    50
          50
                                    25
           0
                 PetalWidthCm<sub>4</sub>
          40
          20
```

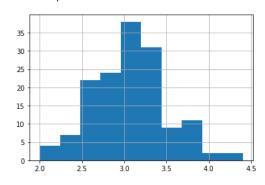
In [7]: df['SepalLengthCm'].hist()

Out[7]: <AxesSubplot:>



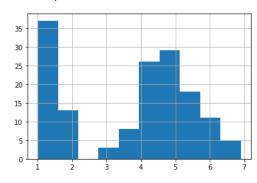
In [8]: df['SepalWidthCm'].hist()

Out[8]: <AxesSubplot:>



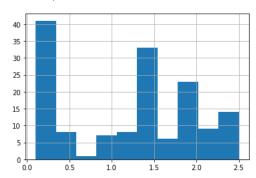
In [9]: df['PetalLengthCm'].hist()

Out[9]: <AxesSubplot:>



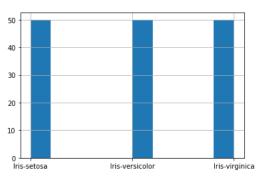
In [11]: df['PetalWidthCm'].hist()

Out[11]: <AxesSubplot:>



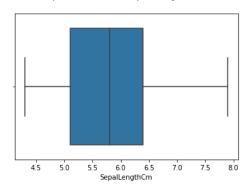
In [12]: df['Species'].hist()

Out[12]: <AxesSubplot:>



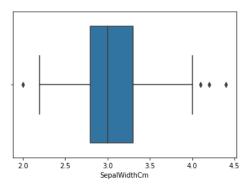
In [13]: sns.boxplot(data = df,x="SepalLengthCm")

Out[13]: <AxesSubplot:xlabel='SepalLengthCm'>



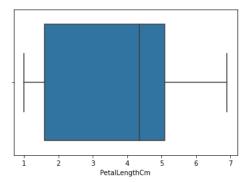
In [14]: sns.boxplot(data=df,x="SepalWidthCm")

Out[14]: <AxesSubplot:xlabel='SepalWidthCm'>



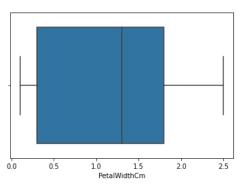
In [15]: sns.boxplot(data=df, x="PetalLengthCm")

Out[15]: <AxesSubplot:xlabel='PetalLengthCm'>



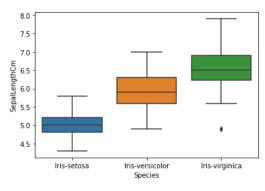
In [16]: sns.boxplot(data=df,x="PetalWidthCm")

Out[16]: <AxesSubplot:xlabel='PetalWidthCm'>



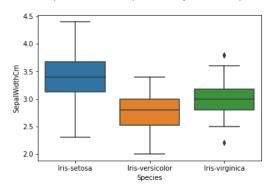
In [17]: sns.boxplot(data=df,x="Species",y="SepalLengthCm")

Out[17]: <AxesSubplot:xlabel='Species', ylabel='SepalLengthCm'>



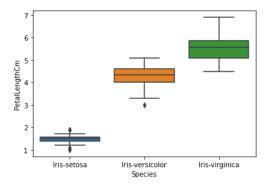
In [18]: sns.boxplot(data=df,x="Species",y="SepalWidthCm")

Out[18]: <AxesSubplot:xlabel='Species', ylabel='SepalWidthCm'>



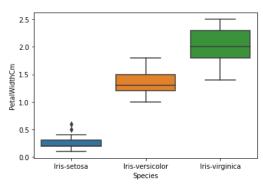
In [20]: sns.boxplot(data=df, x="Species",y="PetalLengthCm")

Out[20]: <AxesSubplot:xlabel='Species', ylabel='PetalLengthCm'>



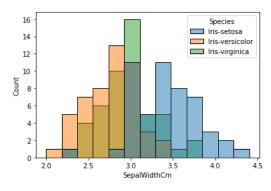
In [21]: sns.boxplot(data=df, x="Species",y="PetalWidthCm")

Out[21]: <AxesSubplot:xlabel='Species', ylabel='PetalWidthCm'>



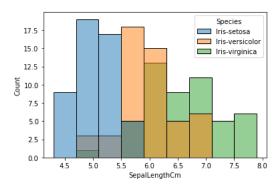
In [23]: sns.histplot(data=df, x="SepalWidthCm",hue="Species")

Out[23]: <AxesSubplot:xlabel='SepalWidthCm', ylabel='Count'>



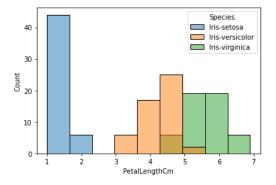
In [26]: sns.histplot(data=df, x="SepalLengthCm",hue="Species")

Out[26]: <AxesSubplot:xlabel='SepalLengthCm', ylabel='Count'>



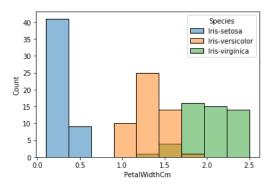
In [27]: sns.histplot(data=df, x="PetalLengthCm",hue="Species")

Out[27]: <AxesSubplot:xlabel='PetalLengthCm', ylabel='Count'>



In [28]: sns.histplot(data=df, x="PetalWidthCm",hue="Species")

Out[28]: <AxesSubplot:xlabel='PetalWidthCm', ylabel='Count'>



In []: