line Graph

import matplotlib .pyplot as plt

import numpy as np

y=np.array([3,8,1,10])

plt.plot(y)

plt.show()

Bar Graph

import numpy as np

import matplotlib.pyplot as plt

x=np.array(["A","B","C","D","E"])

y=np.array([1,2,3,4,5])

plt.bar(x,y)

plt.show()

Histogram

import numpy as np

import matplotlib.pyplot as plt

data = np.random.randn(1000)

plt.hist(data, bins=30, color='skyblue', edgecolor='black')

plt.xlabel('Value')

plt.ylabel('Frequency')

plt.title('Histogram Example')

plt.show()

Scatter Graph

import numpy as np

import matplotlib.pyplot as plt

x=np.array([0,1,2,3,4,5,6,7,8,9])

y=np.array([10,20,30,40,50,60,70,80,90,100])

plt.scatter(x,y)

x=np.array([1,2,3,4,5])

y=np.array([11,12,13,14,15])

plt.scatter(x,y,c="green")

plt.show()

Color bar

import numpy as np

import matplotlib.pyplot as plt

x=np.array([0,1,2,3,4,5,6,7,8,9])

y=np.array([10,20,30,40,50,60,70,80,90,100])

plt.scatter(x,y)

x=np.array([1,2,3,4,5])

y=np.array([11,12,13,14,15])

plt.scatter(x,y,c="green")

plt.show()