

In [3]:

연습문제 2, p39

import numpy as np

import matplotlib.pyplot as plt

values = [15, 3, 18, 10, 5, 12, 8, 5, 8, 10, 7, 2, 1, 5, 3, 5, 15, 10, 15, 9, 8, 18, 1, 2, 11]

bins = np.arange(11) + 0.5

히스토그램 계급구간 만들기

hist, edges = np.histogram(values, bins=bins)

계급구간 도수 구하기

y = np.arange(1, hist.max()+1)

y = 도수 범위

x = np.arange(10) + 1

데이터 속성값 범위

X, Y = np.meshgrid(x, y)

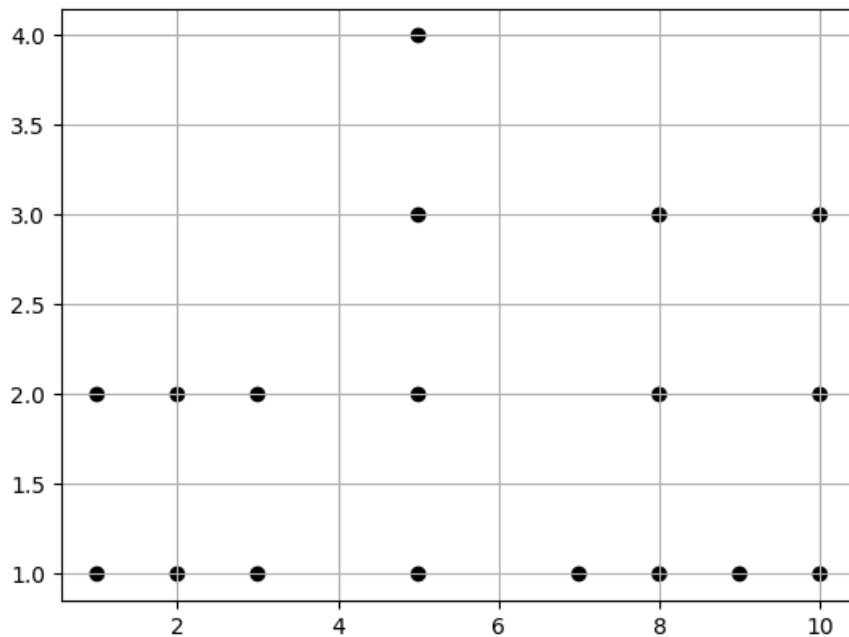
x-y 평면 범위 (격자 형태)

plt.scatter(X, Y, c=Y<=hist, cmap="Greys",)

산점도 플롯 그리기

plt.grid()

plt.show()



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