**5.How to implement binomial distribution in python?**

**Objective:**

* To see implementation of binomial distributionand plot the binomial distribution result using python.

**Process:**

* Import libraries.
* Assume sample data in a interval.
* Assume n and p value.
* Assume total number of samples.
* Import binomial function from scipy.stats.

**Input:**

* Sample data.

**Output:**

* Binomial distribution plot.

**Source code:**

#import libraries

from scipy import stats

import numpy as np

import matplotlib.pyplot as plt

#assuming value

total\_sample=10

p\_value=0.4

n=np.arange(0,20)

#import binomial function

binomial=stats.binom.pmf(n,total\_sample,p\_value)

#plot the binomial distribution

plt.plot(n,binomial,'o-')

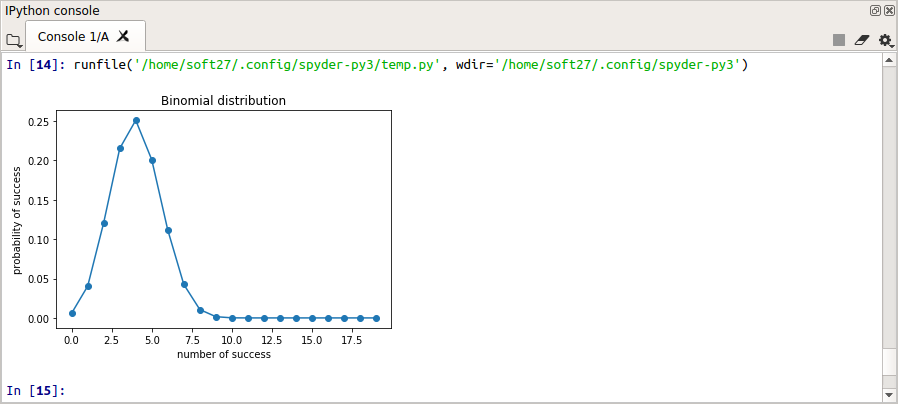
plt.title("Binomial distribution")

plt.xlabel("number of success")

plt.ylabel("probability of success")

plt.show()

**Screen shot:**

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