

poisson-approx

October 22, 2019

```
In [1]: using PyPlot
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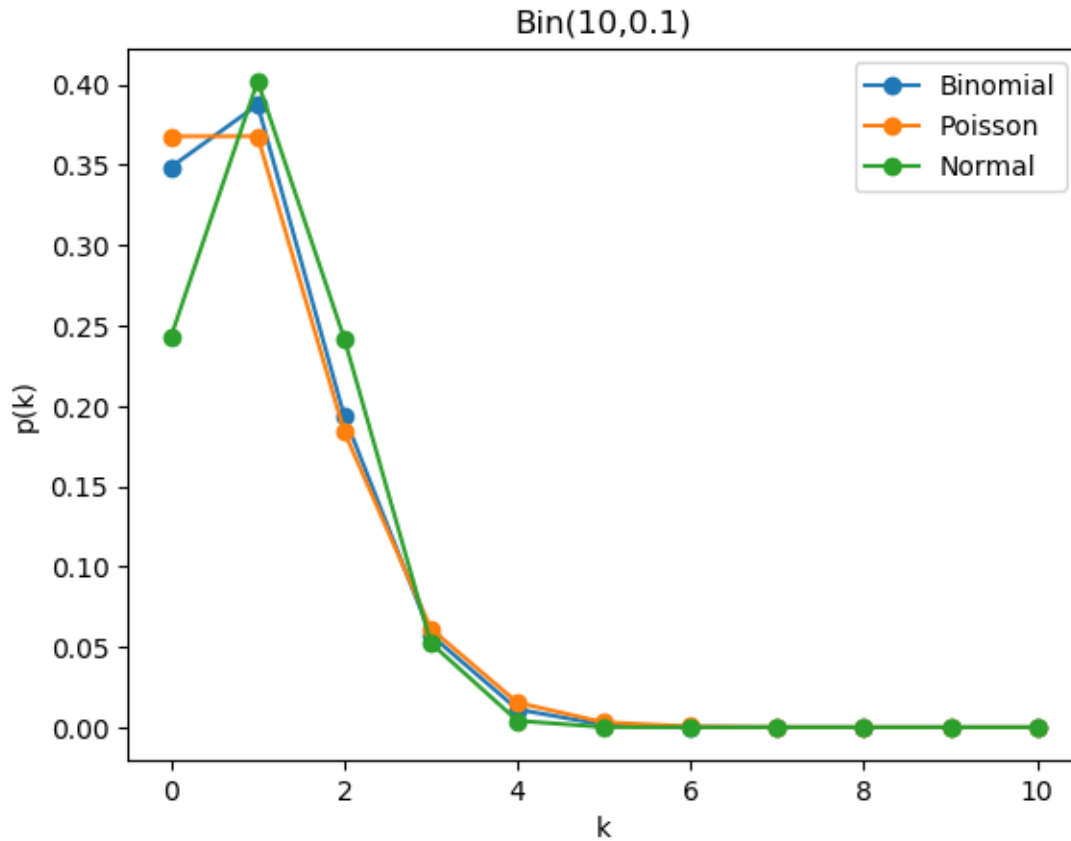
```
In [2]: include("poisson.jl")
```

```
Out[2]: choose (generic function with 1 method)
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```
In [3]: n=10  
        p=0.1
```

```
Out[3]: 0.1
```

```
In [4]: plot(map(bin,0:n),"o-";label="Binomial")  
        plot(map(poi,0:n),"o-";label="Poisson")  
        plot(map(clt,0:n),"o-";label="Normal")  
        xlabel("k")  
        ylabel("p(k)")  
        title("Bin($n,$p)")  
        legend()
```

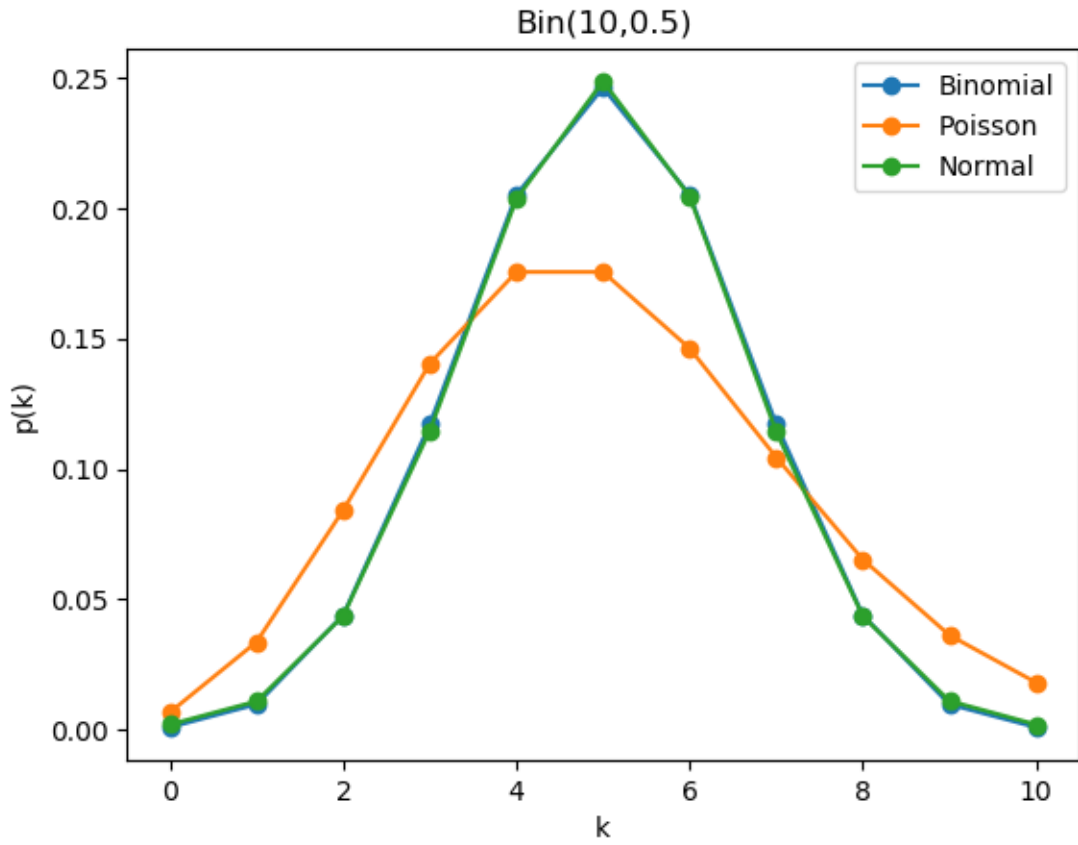


Out [4]: PyObject <matplotlib.legend.Legend object at 0x13ae248d0>

In [5]: p=0.5

Out [5]: 0.5

```
In [6]: plot(map(bin,0:n),"o-";label="Binomial")
plot(map(poi,0:n),"o-";label="Poisson")
plot(map(clt,0:n),"o-";label="Normal")
xlabel("k")
ylabel("p(k)")
title("Bin($n,$p)")
legend()
```



Out[6]: PyObject <matplotlib.legend.Legend object at 0x141400f28>