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MatlabM.4.2

function binompmf

P = 1/9

X = 0:25

N = 100

Y = binopdf(X,N,P)

plot(X,Y)

end



function binompmf

P = 1/12

X = 0:25

N = 100

Y = binopdf(X,N,P)

plot(X,Y)

end



function binompmf

P = 1/15

X = 0:25

N = 100

Y = binopdf(X,N,P)

plot(X,Y)

end



Conclusion: According to graphs, as P decreased, the graph moves towards to left and have a higher peak .

function geompmf

P = 1/3

X = 0:25

Y = geopdf(X,P)

plot(X,Y)

end



function geompmf

P = 1/6

X = 0:25

Y = geopdf(X,P)

plot(X,Y)

end



function geompmf

P = 1/9

X = 0:25

Y = geopdf(X,P)

plot(X,Y)

end



Conclusion: According to the graphs, the line in graph is approaching to a straight line as P decreased.