NPUT AND OUTPUT FILE FOR Assignment - 3b

distribution type is uniform

sample is
-0.03235743 0.8971014 0.5470645 0.844468 -0.1702406 0.6376978 0.6924623 -0.5301716 -0.7455103 -0.1630041
MLE is given Below
　　min　　max
-8.734590　9.674237

distribution type is Normal

sample is
-1.372012 -0.1755337 2.901502 -1.449674 0.3452691 -2.224716 -1.882461 -1.629273 1.807985 0.4747477
MLE is given Below
　　mu　　sigma
-0.3205997　1.6174866

distribution type is geometric

sample is
6 0 0 0 0 1 2 0 0 2
MLE is given Below
　　prob
0.4761719

distribution type is exponential

sample is
0.7300245 4.054967 0.7015482 0.02267148 1.350853
MLE is given Below
　lambda
0.7289062

distribution type is Beta

sample is
0.1691667 0.006728925 0.154047 0.1762181 0.0607896 0.0007103702 0.05136122 0.09352959 0.09132703 0.003061011
MLE is given Below
　alpha　　beta
0.6701113 7.8936218

distribution type is poisson

sample is
3 13 1 11 3 7 6 6 13 7 8 6 6 12 4 10 10 14 5 6 5 6 10 5 10 12 8 11 6 5 6 9 6 10 10 8 10 10 10 7 4 10 5 7 5 9 12 16 6 13 5 8 7 4 7 13 10 9 9 4 8 10 9 13 5 2 9 8 10 9 6 6 13 6 5 3 14 8 14 7 7 8 14 7 11 6 11 11 10 7 9 11 3 9 4 4 14 14 5 7
MLE is given Below
lambda
8.15

distribution type is binomial

sample is
 0 1 0 1 1 1 1 1 0 0
MLE is given Below
  p
0.6

distribution type is multinomial

sample is

0 0 0 0 0 -
0 1 0 0 0 -
1 0 0 0 0 -
0 0 0 0 0 -
0 0 0 0 0 -
0 0 0 0 0 -
0 0 0 0 0 -
0 0 1 0 1 -
0 0 0 1 0 -
0 0 0 0 0 - MLE is given Below
 [1] 0.0000000001 0.2034558902 0.5328965935 0.0000000001 0.0000000001 0.0000000001
0.0000000001
 [8] 0.3871564567 0.1789493596 0.0000000001

distribution type is multivariate normal

sample is   [,1]   [,2]
 [1,] 6.738255 10.365577
 [2,] 6.109005 9.332507
 [3,] 7.242948 11.936449
 [4,] 9.902365 13.407630
 [5,] 7.841778 6.060907
 [6,] 4.197240 8.061320
 [7,] 9.893088 10.928936
 [8,] 4.986187 8.570151
 [9,] 6.441265 9.227539
[10,] 7.428408 8.060925
MLE is given Below
    mu1   mu2 sigma1 sigma2 sigma3 sigma4
7.190301 9.684170 3.120744 9.683629 2.086274 4.160162