

N = 100000

n = 100

a/sum(a)

ans =

0.5084	0.1688	0.0841	0.0492
0.0328	0.0252	0.0174	0.0143
0.0109	0.0089	0.0075	0.0062
0.0053	0.0047	0.0044	0.0036
0.0030	0.0030	0.0028	0.0024
0.0020	0.0021	0.0017	0.0018
0.0014	0.0015	0.0013	0.0013
0.0010	0.0011	0.0009	0.0009
0.0010	0.0008	0.0008	0.0007
0.0006	0.0006	0.0006	0.0148

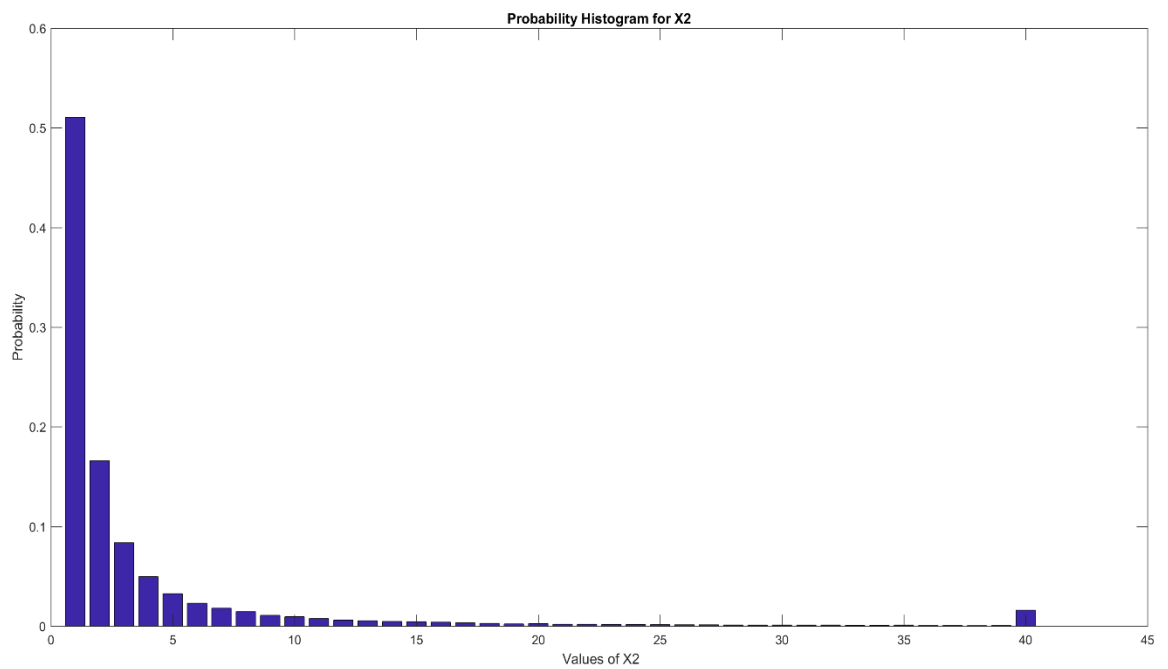
Value for mean of K and K(x)

mean(K)

ans = 4.1665

mean(K(x))

ans = 1



N = 100000

n = 100

a/sum(a)

ans =

0.3106	0.1387	0.0898	0.0646
0.0488	0.0377	0.0312	0.0255
0.0211	0.0188	0.0162	0.0139
0.0117	0.0104	0.0100	0.0090
0.0078	0.0073	0.0066	0.0060
0.0058	0.0053	0.0053	0.0046
0.0043	0.0042	0.0035	0.0036
0.0029	0.0030	0.0030	0.0027
0.0027	0.0027	0.0024	0.0024
0.0019	0.0024	0.0020	0.0492

Value for mean of K and K(x)

mean(K)

ans = 7.4793

mean(K(x))

ans = 6

