

MLE for Geom. Distr. of sample size  $n = 128$

k	Observed frequency	Predicted frequency
1	42	40.96
2	31	27.85
3	15	18.94
4	11	12.88
5	9	8.76
6	5	5.96
7	7	4.05
8	2	2.75
9	1	1.87
10	2	1.27
11	1	0.87
13	1	0.59
14	1	0.4

*Real  $p = 0.3333$  and MLE for  $p = 0.32$*