

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

k	Observed frequency	Predicted frequency
1	72	74.14
2	35	31.2
3	11	13.13
4	6	5.52
5	2	2.32
6	2	0.98

Real $p = \text{unknown}$ and MLE for $p = 0.5792$