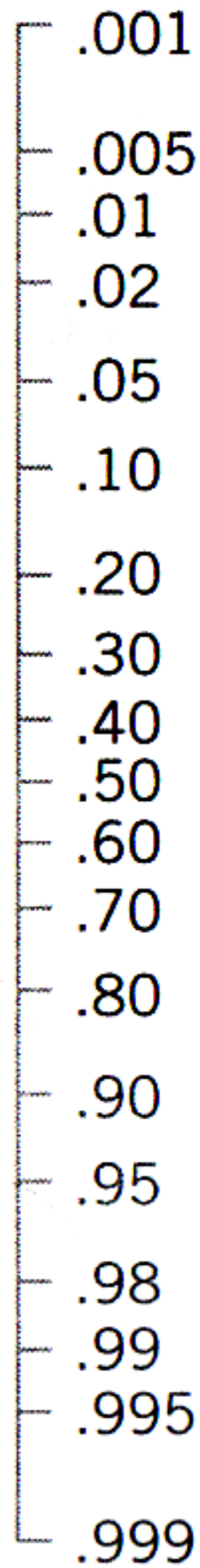
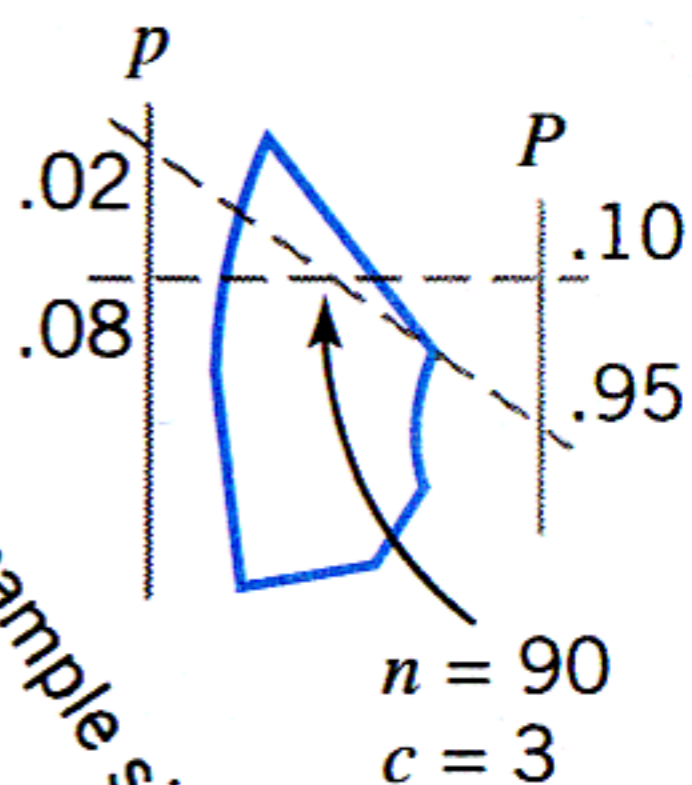
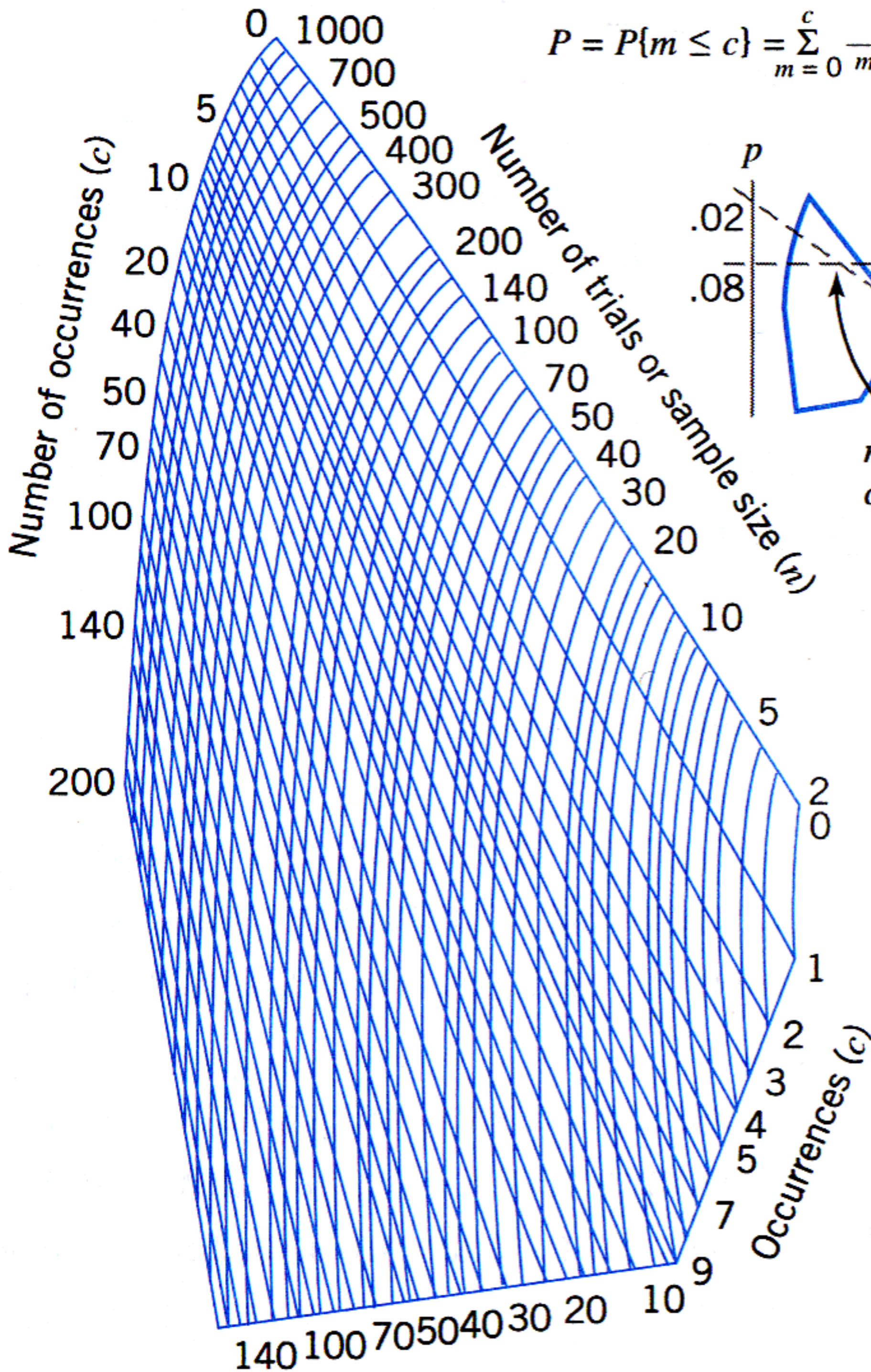
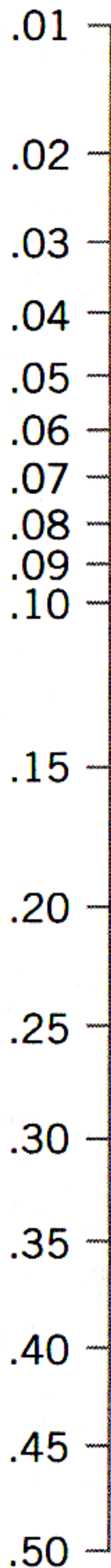


$$\frac{n}{N} \leq 0.1$$

$$P = P\{m \leq c\} = \sum_{m=0}^c \frac{n!}{m!(n-m)!} p^m (1-p)^{n-m}$$

Probability of occurrence in a single trial (p)



Probability of c or fewer occurrences in n trials (P)