

Binomial Probability

Binomial probabilities for a given no. of trials (n), probability of success (p) and observed no. of successes (x) are computed by this dialog box. Type in the required values and press **Enter** or **Return** (or **Tab**) keys to update the probability.

You can select your probability from: $X = x$, $X < x$, $X > x$, $X \leq x$ or $X \geq x$ recalling that this is a discrete distribution, where only integer values of n or x are applicable. The probability of success p is $0 < p < 1$ since the probability of success cannot realistically be 0 or 1. The graph can be plotted by clicking the **Show Graph** option (shortcut Command-S), and the table for those specific values of the binomial parameters can be generated in the results window by clicking the button **Generate Table**. With larger values of n the binomial probability is estimated using the normal distribution.