Glossary

1. Median

Median is the middle value in an array of observations.

2. H_0 in one sample sign test

The probability of a random variable from the population being above the specified value is equal to the probability of a random variable being below the specified value.

3. Possible alternative hypothesis in one sample sign test

 $M < M_0$, $M > M_0$ and $M \neq M_0$ where M denotes the population median and M_0 is hypothesised value.

4. Test statistic in sign test

Test statistic = number of positive signs of $x_I - M_{i.}$

5. P-value in sign test

P-value = $\sum_{x=0}^{u} {}^{n}C_{x} \left(\frac{1}{2}\right)^{x} \left(\frac{1}{2}\right)^{n-x}$