

Stats Scripts

Friday, October 28, 2022 5:04 PM

How to function the stats scripts

Most functions will be simple to use

I will provide a bigger list later when there are more variants but the current list contains

1. mean
2. pop_variance
3. Sq_sum
4. Pop_solver
5. z_dis_rng
6. z_dis_tot
7. z_alpha
8. Sam_var
9. Sam_std

Mean - solves for the mean of function, input is an array of all the data points (ex, [1,2,3,4,5] --> 3)

Pop_variance - solves for variance of the population , input is an array of all the data (ex, [1,2,3,4,5] --> 2)

Pop_std - solves for the population standard deviation, input is an array of all the data points (ex, [1,2,3,4,5] --> 1.4142)

Sq_sum - returns the sum of all the inputs squared (ex, [1,2,3,4,5] --> 55)

Pop_solver - returns an array containing the data in the specific order [mean, variance, standard deviation], input is an array of all the data points (ex, [1,2,3,4,5] --> [3,2,1.4142])

z_dis_rng - returns the probability of the normal distribution between two numbers, inputs are [min, max]

z_dis_tot - returns the probability of the normal distribution from -infinity to a specified value, inputs are [max]

z_alpha - returns the value of the normal distribution for inputted value alpha (if you want the version that is divided by 2 you manually divide the alpha), inputs are [alpha]

Sam_var - returns the samples variance, input is [data]

Sam_std - returns the samples standard deviation, input is [data]