

How do I perform a Z.TEST in Google Sheets?

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A Z.TEST is a statistical function used to determine the probability that a sample mean is equal to a specified population mean. In Google Sheets, this can be performed by first selecting the cell where the result should appear, then typing "=Z.TEST(" into the formula bar. Next, select the range of data for the sample and the population mean. Finally, close the parentheses and press "Enter" to calculate the probability. This function can be used to analyze data and make informed decisions based on the results.

Z.TEST

Returns the one-tailed P-value of a Z-test with standard distribution.

Sample Usage

`Z.TEST(A2:A100, B2)`

`Z.TEST({1, 2, 3, 4, 5, 6}, 5.5, 1.2)`

Syntax

`Z.TEST(data, value, )`

data - The array or range containing the dataset to consider.

value - The test statistic to use in the Z-test.

standard_deviation - - The standard deviation to assume for the Z-test. If this is not provided, `STDEV(data)` will be calculated.

Notes

The P-value returned by `Z.TEST` is the probability that a randomly generated sample (of the same size as the data) has a mean value greater than that of the original data set. You can use `ZTEST` or `Z.TEST` to perform this function.

See Also

NORMSDIST: Returns the value of the standard normal cumulative distribution function for a specified value.

NORMDIST: The `NORMDIST` function returns the value of the normal distribution function (or normal cumulative distribution function) for a specified value, mean, and standard deviation.

CONFIDENCE: Calculates the width of half the confidence interval for a normal distribution.

Examples

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