

How do I use the FORECAST function in Google Sheets?

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The FORECAST function in Google Sheets is a tool that allows users to predict future values based on existing data. It uses a linear regression algorithm to analyze the trend of a set of data points and generate a forecast for a chosen period. To use the FORECAST function, users must input the known x and y values in their spreadsheet, along with the x value for which they want to predict the corresponding y value. This function is useful for making informed decisions and planning for the future based on past data trends. It can be accessed through the "Functions" menu in Google Sheets and is a valuable tool for businesses, researchers, and individuals looking to make data-driven decisions.

FORECAST

Calculates the expected y-value for a specified x based on a linear regression of a dataset.

Sample Usage

```
FORECAST(A1, A2:A100, B2:B100)
```

Syntax

```
FORECAST(x, data_y, data_x)
```

x - The value on the x-axis to forecast.

data_y - The range representing the array or matrix of dependent data.

data_x - The range representing the array or matrix of independent data.

Notes

Any text encountered in the **value** arguments will be ignored.

See Also

STEYX: Calculates the standard error of the predicted y-value for each x in the regression of a dataset.

SLOPE: Calculates the slope of the line resulting from linear regression of a dataset.

RSQ: Calculates the square of r, the Pearson product-moment correlation coefficient of a dataset.

PEARSON: Calculates r, the Pearson product-moment correlation coefficient of a dataset.

INTERCEPT: Calculates the y-value at which the line resulting from linear regression of a dataset will intersect the y-axis ($x=0$).

COVAR: Calculates the covariance of a dataset.

CORREL: Calculates r , the Pearson product-moment correlation coefficient of a dataset.

Examples

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