How can I use the function B in excel?

Authored by

stats writer

June 29, 2024

The function B in Excel is a built-in tool that allows users to perform various mathematical and logical calculations on data within a spreadsheet. To use this function, one must first select the cell where the result of the calculation will appear, then type "=B(" followed by the desired data or cell references. This function can be used to simplify complex calculations, automate repetitive tasks, and enhance the overall efficiency of data analysis in Excel. By understanding the proper syntax and parameters of the function, users can effectively utilize it to manipulate and analyze data in their spreadsheets.

This article describes the formula syntax and usage of the **DB** function in Microsoft Excel.

Description

Returns the depreciation of an asset for a specified period using the fixed-declining balance method.

Syntax

DB(cost, salvage, life, period,)

The DB function syntax has the following arguments:

Cost Required. The initial cost of the asset.

Salvage Required. The value at the end of the depreciation (sometimes called the salvage value of the asset).

Life Required. The number of periods over which the asset is being depreciated (sometimes called the useful life of the asset).

Period Required. The period for which you want to calculate the depreciation. Period must use the same units as life.

Month Optional. The number of months in the first year. If month is omitted, it is assumed to be 12.

Remarks

The fixed-declining balance method computes depreciation at a fixed rate. DB uses the following formulas to calculate depreciation for a period:

(cost - total depreciation from prior periods) * rate

where:

rate = 1 - ((salvage / cost) ^ (1 / life)), rounded to three decimal places

Depreciation for the first and last periods is a special case. For the first period, DB uses this formula:

cost * rate * month / 12

For the last period, DB uses this formula:

((cost - total depreciation from prior periods) * rate * (12 - month)) / 12