How can I use the F.DIST.RT function in Google Sheets?

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The F.DIST.RT function is a statistical tool available in Google Sheets that calculates the right-tailed F probability distribution. This function is useful for analyzing data sets and determining the likelihood of a specific outcome occurring. To use the F.DIST.RT function, users must input the degrees of freedom and the F statistic, which represent the sample size and the test statistic, respectively. This function can be used to make informed decisions and draw conclusions based on statistical data. By utilizing the F.DIST.RT function in Google Sheets, users can efficiently analyze their data and gain valuable insights.

F.DIST.RT

The F.DIST.RT function calculates the right-tailed F probability distribution (degree of diversity) for two data sets with given input x. Alternately called Fisher-Snedecor distribution or Snedecor's F distribution.

Sample Usage

```
F.DIST.RT(15.35, 7, 6)
```

```
F.DIST.RT(A2, B2, C2)
```

Syntax

```
F.DIST.RT(x, degrees_freedom1, degrees_freedom2)
```

`x` - The input to the F probability distribution function. The value at which to evaluate the function.

Must be a positive number.

`degrees_freedom1` - The numerator of the number of degrees of freedom.

`degrees_freedom2` - The denominator of the number of degrees of freedom.

Notes

Both `degrees_freedom1` and `degrees_freedom2` are truncated to an integer in the calculation if a non-integer is provided as an argument.

Both `degrees_freedom1` and `degrees_freedom2` must be greater than `1` and may not exceed `10^10`.

All arguments must be numeric.

`F.DIST.RT` is synonymous with `FDIST`.

See Also

`F.DIST`: Calculates the left-tailed F probability distribution (degree of diversity) for two data sets with given input x. Alternately called Fisher-Snedecor distribution or Snedecor's F distribution.

`TDIST`: Calculates the probability for Student's t-distribution with a given input (x).

Examples

In this example, suppose you want to determine whether the data for hours spent studying each week have different variability for engineering majors at University A than at University B. We will evaluate the curve of F Distribution when `x` equals `15.35`, and use `7` and `6` for `degrees_freedom1` and `degrees_freedom2` respectively.