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

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The CHISQ.DIST.RT function in Google Sheets is a statistical tool that calculates the right-tailed probability of the chi-square distribution. This function can be used to determine the likelihood of a certain outcome occurring in a chi-square test. To use this function, simply input the desired degrees of freedom and the observed value for the chi-square statistic. The result will be a decimal value representing the probability of the observed value occurring in the right tail of the chi-square distribution. This function is useful for analyzing data and making statistical inferences in various fields such as business, science, and research.

CHISQ.DIST.RT

Calculates the right-tailed chi-squared distribution, which is commonly used in hypothesis testing.

Sample Usage

```
CHISQ.DIST.RT(3.45, 2)
```

```
CHISQ.DIST.RT(A2, B2)
```

Syntax

```
CHISQ.DIST.RT(x, degrees_freedom)
```

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

Must be a positive number.

`degrees_freedom` - The number of degrees of freedom of the distribution.

Notes

`degrees_freedom` is truncated to an integer if a non-integer is provided.

`degrees_freedom` must be at least `1` and may not exceed `10^10`.

All arguments must be numeric.

`CHISQ.DIST.RT` is synonymous with `CHIDIST`.

See Also

`CHIDIST`: Calculates the right-tailed chi-squared distribution, often used in hypothesis testing.

`CHIINV`: Calculates the inverse of the right-tailed chi-squared distribution.

`CHISQ.DIST`: Calculates the left-tailed chi-squared distribution, often used in hypothesis testing.

`CHITEST`: Returns the probability associated with a Pearson's chi-squared test on the two ranges of data. Determines the likelihood that the observed categorical data is drawn from an expected distribution.

Example

Suppose you want to test the fairness of a 6-sided die:

From several rolls, you obtain a chi-squared statistic of `12.3`.

The number of degrees of freedom is `6 - 1 = 5`.

We will evaluate the chi-squared distribution with `5` degrees of freedom when x equals `12.3`.

	A	B	C
1	**x**	**Degrees freedom**	**Solution**
2	12.3	5	0.03090046464
3	12.3	5	=CHISQ.DIST.RT(12.3, 5)
4	12.3	5	=CHISQ.DIST.RT(A2, B2)