

Excel RANDARRAY Function

Generate arrays of random numbers between specified values. Control size, range, and type (decimal or whole numbers) of generated values.



by Excel Training London





Function Overview

- | | |
|---|---|
| <div></div> Purpose
Get array of random numbers | <div></div> Return Value
Array of random values |
| <div></div> Syntax
=RANDARRAY([rows],[columns],[min],[max],[integer]) | |



Function Arguments

rows

Row count. Optional, default = 1.

columns

Column count. Optional, default = 1.

min

Minimum value. Optional, default = 0.

max

Maximum value. Optional, default = 1.

How to Use RANDARRAY

1

Default Usage

Returns decimal between 0 and 1: `=RANDARRAY()`

2

Specify Size

Control rows and columns: `=RANDARRAY(10,1)` or
`=RANDARRAY(1,10)`

3

Set Range

Define min and max: `=RANDARRAY(3,1,1,5)`

4

Whole Numbers

Set integer to TRUE: `=RANDARRAY(3,1,1,100,TRUE)`





Example Applications



Random Letters

`=CHAR(RANDARRAY(1,1,65,90,TRUE))`



Random Dates

`=RANDARRAY(5,1,TODAY(),EDATE(TODAY(),12),TRUE)`



Random Text

Generate random text strings

- 1 **Generate List**
Use RANDARRAY to create initial list
- 2 **Remove Duplicates**
Apply UNIQUE function to eliminate repeats
- 3 **Sort Results**
Optionally sort the unique random numbers



Randomly Assign to Groups

1

Create Groups

Define group names (e.g., A, B, C)

2

Generate Random Numbers

Use RANDARRAY for each item

3

Assign Groups

Map random numbers to group names

4

Balance Groups

Ensure equal distribution if needed

Random Sort

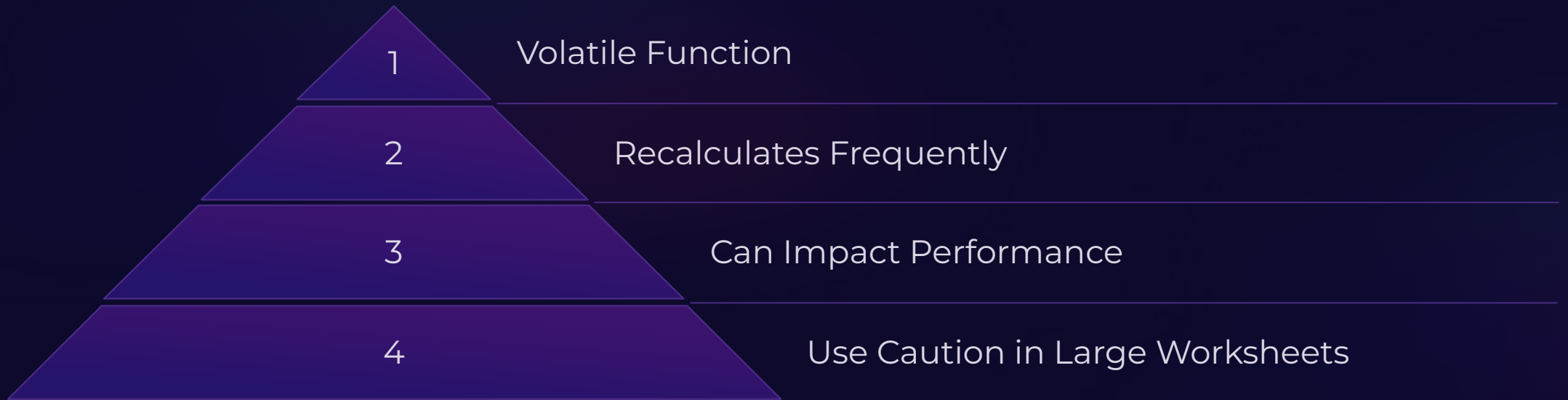
SORTBY Function

Use SORTBY to sort data based on random values

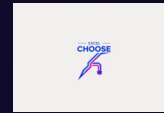
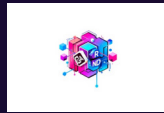
RANDARRAY

Generate random values for sorting criteria

Performance Considerations



Related Functions



Explore RAND, RANDBETWEEN, and CHOOSE functions for additional random number generation capabilities in Excel.