

Array Percentage Grid



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Clipboard Font Alignment Number Styles Cells Editing Add-ins Analyze Data

B2 20%

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1							Empty Boxes		Filled Boxes											
2	Percentage:	20.00%					arr_x	arr_y	arr_xx	arr_yy										
3							0	0	0	0										
4							1	0	1	0										
5							2	0	2	0										
6							3	0	3	0										
7							4	0	4	0										
8							5	0	5	0										
9							6	0	6	0										
10							7	0	7	0										
11							8	0	8	0										
12							9	0	9	0										
13							0	1	0	1										
14							1	1	1	1										
15							2	1	2	1										
16							3	1	3	1										
17							4	1	4	1										
18							5	1	5	1										
19							6	1	6	1										
20							7	1	7	1										
21							8	1	8	1										
22							9	1	9	1										

Step 1: Insert Scatter Chart

The screenshot shows the Microsoft Excel interface with the **Insert** tab selected. In the **Charts** group, the **Scatter** chart type is highlighted with a green box and a green arrow. A tooltip for the Scatter chart is displayed, providing the following information:

- Scatter**
Use this chart type to:
 - Compare at least two sets of values or pairs of data.
 - Show relationships between sets of values.
- Bubble**
Use it when:
 - The data represents separate measurements.
- More Scatter Charts...**

The spreadsheet shows a cell with the text "Percentage: 20.00%". The status bar at the bottom indicates the active grid is "Array Percentage Grid".

Step 2: Select Data

The screenshot displays the Microsoft Excel interface. On the left, a chart titled 'Chart 1' is shown with a data label 'Percentage: 20.00%' in a yellow box. A context menu is open over the chart, listing various actions. The 'Select Data...' option is highlighted with a green box, and a green arrow points to it. The background shows the 'Chart Design' ribbon and a data table.

Chart Design Ribbon:

- Chart Layouts: Add Chart Element, Quick Layout, Change Colors
- Data: Switch Row/Column, Select Data
- Type: Change Chart Type
- Location: Move Chart

Data Table:

Filled Boxes	
arr_xx	arr_yy
0	0
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
0	1
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1

Context Menu Options:

- Cut
- Copy
- Paste Options
- Paste Special...
- Reset to Match Style
- Font...
- Change Chart Type...
- Save as Template...
- Select Data...**
- Move Chart...
- 3-D Rotation...
- Group
- Bring to Front
- Send to Back
- Save as Picture...
- Assign Macro...
- View Alt Text...

Step 3: Add Series

The screenshot shows the Microsoft Excel interface with the 'Select Data Source' dialog box open. The dialog box has a 'Chart data range' field at the top, a 'Switch Row/Column' button, and two main sections: 'Legend Entries (Series)' and 'Horizontal (Category) Axis Labels'. The 'Add' button in the 'Legend Entries (Series)' section is highlighted with a green box and a green arrow. The spreadsheet in the background shows a 'Percentage: 20.00%' in cell B2 and a data table starting from row 4, column G.

arr_x			
0			
1	1	1	1
2	1	2	1
3	1	3	1
4	1	4	1
5	1	5	1
6	1	6	1
7	1	7	1
8	1	8	1
9	1	9	1

Step 4: Edit Series

The screenshot displays the Microsoft Excel interface with the 'Edit Series' dialog box open. The dialog box is positioned over a scatter plot in the 'Array Percentage Grid' worksheet. The dialog box contains the following information:

- Series name:** Empty
- Series X values:** =Array Percentage Grid!\$G\$3:\$G\$10
- Series Y values:** =Array Percentage Grid!\$H\$3:\$H\$10

The spreadsheet data is as follows:

arr_x	arr_y	arr_xx
0	0	0
1	0	1
2	0	2
3	0	3
4	0	4
5	0	5
6	0	6
7	0	7
8	0	8
9	0	9
0	1	0
1	1	1
2	1	2
3	1	3
4	1	4
5	1	5
6	1	6
7	1	7
8	1	8
9	1	9

The percentage value in cell B3 is 20.00%.

Step 5: Press OK

The screenshot shows the Microsoft Excel interface with the 'Select Data Source' dialog box open. The dialog box is positioned over a chart area. The 'Chart data range' is set to '=Array Percentage Grid!\$G\$3:\$H\$102'. The 'Legend Entries (Series)' section shows a single entry 'Empty' with a checked box. The 'Horizontal (Category) Axis Labels' section shows a list of numbers from 0 to 4. A green arrow points to the 'OK' button, which is also highlighted with a green box. The background shows a spreadsheet with a chart titled 'Empty' and a data table.

Percentage: **20.00%**

Empty

arr_x	0	1	2	3	4	5	6	7	8	9	10
0	1	1	1	1	1	1	1	1	1	1	1
1	1	2	1	1	1	1	1	1	1	1	1
2	1	3	1	1	1	1	1	1	1	1	1
3	1	4	1	1	1	1	1	1	1	1	1
4	1	5	1	1	1	1	1	1	1	1	1
5	1	6	1	1	1	1	1	1	1	1	1
6	1	7	1	1	1	1	1	1	1	1	1
7	1	8	1	1	1	1	1	1	1	1	1
8	1	9	1	1	1	1	1	1	1	1	1
9	1	9	1	1	1	1	1	1	1	1	1

Array Percentage Grid | Blank

Step 6: Delete Title, X & Y Axis, and Gridlines

The screenshot shows the Microsoft Excel interface with the Chart Design ribbon active. The chart area contains a scatter plot with a grid. The title 'Percentage: 100%' is highlighted in yellow. The x-axis is labeled 'arr_x' and the y-axis is labeled 'arr_y'. The chart area is divided into 'Empty Boxes' and 'Filled Boxes'.

arr_x	arr_y	arr_xx	arr_yy
0	0	0	0
1	0	1	0
2	0	2	0
3	0	3	0
4	0	4	0
5	0	5	0
6	0	6	0
7	0	7	0
8	0	8	0
9	0	9	0
0	1	0	1
1	1	1	1
2	1	2	1
3	1	3	1
4	1	4	1
5	1	5	1
6	1	6	1
7	1	7	1
8	1	8	1
9	1	9	1

Step 7: Format Area

The screenshot shows the Microsoft Excel interface with the Chart Design ribbon selected. The ribbon includes sections for Chart Layouts, Chart Styles, Data, Type, and Location. A chart titled 'Chart 1' is displayed on the worksheet, showing a grid of data points. The chart's plot area is highlighted with a green box, and a context menu is open over it. The 'Format Plot Area...' option is highlighted with a green box, and a green arrow points to it. The chart's data is displayed in the worksheet, with columns labeled 'Empty Boxes' and 'Filled Boxes'.

Percentage: 20.00%

	arr_x	arr_y	arr_xx	arr_yy
0	0	0	0	0
1	0	1	1	0
2	0	2	2	0
3	0	3	3	0
4	0	4	4	0
5	0	5	5	0
6	0	6	6	0
7	0	7	7	0
8	0	8	8	0
9	0	9	9	0
0	1	0	0	1
1	1	1	1	1
2	1	2	2	1
3	1	3	3	1
4	1	4	4	1
5	1	5	5	1
6	1	6	6	1
7	1	7	7	1
8	1	8	8	1
9	1	9	9	1

Step 8: Click No Fill & No Line

The screenshot shows the Microsoft Excel interface with the 'Format Plot Area' task pane open on the right. The task pane has two sections: 'Fill' and 'Border'. In the 'Fill' section, the 'No fill' radio button is selected and highlighted with a green box. In the 'Border' section, the 'No line' radio button is selected and highlighted with a green box. Two large green arrows point from the right towards these two options. The main Excel window shows a chart area with a grid of blue dots. The chart area is divided into 'Empty Boxes' (columns G and H) and 'Filled Boxes' (columns I and J). The percentage of filled boxes is shown as 20.00% in a yellow box. The 'Array Percentage Grid' is selected in the bottom-left corner.

	arr_x	arr_y	arr_xx	arr_yy
0	0	0	0	0
1	0	0	1	0
2	0	0	2	0
3	0	0	3	0
4	0	0	4	0
5	0	0	5	0
6	0	0	6	0
7	0	0	7	0
8	0	0	8	0
9	0	0	9	0
0	1	0	0	1
1	1	0	1	1
2	1	0	2	1
3	1	0	3	1
4	1	0	4	1
5	1	0	5	1
6	1	0	6	1
7	1	0	7	1
8	1	0	8	1
9	1	0	9	1

Step 9: Click No Fill & No Line

The screenshot shows the Microsoft Excel interface with the Chart Design ribbon active. The chart area displays a grid of blue dots. The data table below the chart is as follows:

	arr_x	arr_y	arr_xx	arr_yy
0	0	0	0	0
1	0	0	1	0
2	0	0	2	0
3	0	0	3	0
4	0	0	4	0
5	0	0	5	0
6	0	0	6	0
7	0	0	7	0
8	0	0	8	0
9	0	0	9	0
0	1	0	0	1
1	1	0	1	1
2	1	0	2	1
3	1	0	3	1
4	1	0	4	1
5	1	0	5	1
6	1	0	6	1
7	1	0	7	1
8	1	0	8	1
9	1	0	9	1

The 'Format Chart Area' task pane is open, showing the 'Chart Options' section. The 'No fill' and 'No line' options are selected, indicated by green circles and green boxes. Green arrows point from the chart area to these options.

Step 10: Click Chart, Format Data Series

The screenshot shows the Microsoft Excel interface with the 'Chart Design' ribbon active. The chart area displays a grid of blue squares representing data points. The task pane on the right is open to 'Format Data Series', showing 'Series Options' with 'Marker' selected and 'Built-in' as the marker type. A 'Percentage: 20.00%' label is visible on the chart.

The chart data is as follows:

	arr_x	arr_y	arr_xx	arr_yy
0	0	0	0	0
1	0	0	1	0
2	0	0	2	0
3	0	0	3	0
4	0	0	4	0
5	0	0	5	0
6	0	0	6	0
7	0	0	7	0
8	0	0	8	0
9	0	0	9	0
0	1	0	0	1
1	1	0	1	1
2	1	0	2	1
3	1	0	3	1
4	1	0	4	1
5	1	0	5	1
6	1	0	6	1
7	1	0	7	1
8	1	0	8	1
9	1	0	9	1

Step 11: Click Solid Fill, Select Color

The screenshot shows the Microsoft Excel interface with the Chart Design ribbon active. The chart area displays a grid of boxes with a percentage of 20.00%. The 'Format Data Series' task pane is open, showing the 'Series Options' section with 'Solid fill' selected. A color selection dropdown is also visible, with a green arrow pointing to it.

Chart 1: $=SERIES("Empty",'Array Percentage Grid'!G3:G102,'Array Percentage Grid'!H3:H102,1)$

	arr_x	arr_y	arr_xx	arr_yy
0	0	0	0	0
1	0	0	1	0
2	0	0	2	0
3	0	0	3	0
4	0	0	4	0
5	0	0	5	0
6	0	0	6	0
7	0	0	7	0
8	0	0	8	0
9	0	0	9	0
0	1	0	0	1
1	1	0	1	1
2	1	0	2	1
3	1	0	3	1
4	1	0	4	1
5	1	0	5	1
6	1	0	6	1
7	1	0	7	1
8	1	0	8	1
9	1	0	9	1

Step 12: Right-Click Chart, Select Data

The screenshot shows the Microsoft Excel interface with the following elements:

- File Name:** 11. Array Percentage...
- Chart Formula:** `=SERIES("Empty",'Array Percentage Grid'!G3:G102,'Array Percentage Grid'!H3:H102,1)`
- Chart Title:** Array Percentage
- Chart Content:** A grid of boxes representing data points. A label "Percentage: 20.00%" is displayed. The chart area is divided into "Empty Boxes" and "Filled Boxes".
- Context Menu:** A right-click menu is open over the chart, with the "Select Data..." option highlighted in a green box and pointed to by a green arrow.
- Data Table:** A table of data is visible in the background, with columns for 'arr_x', 'arr_y', 'arr_xx', and 'arr_yy'.

	arr_x	arr_y	arr_xx	arr_yy
0	0	0	0	0
1	0	1	1	0
2	0	2	2	0
3	0	3	3	0
4	0	4	4	0
5	0	5	5	0
6	0	6	6	0
7	0	7	7	0
8	0	8	8	0
9	0	9	9	0
0	1	0	0	1
1	1	1	1	1
2	1	2	2	1
3	1	3	3	1
4	1	4	4	1
5	1	5	5	1
6	1	6	6	1
7	1	7	7	1
8	1	8	8	1
9	1	9	9	1

Step 13: Add Series

The screenshot shows the Microsoft Excel interface with the 'Select Data Source' dialog box open. The dialog box is titled 'Select Data Source' and has a 'Chart data range' field containing the formula '=Array Percentage Grid!\$G\$3:\$H\$102'. Below this, there is a 'Switch Row/Column' button. The 'Legend Entries (Series)' section contains an 'Add' button, which is highlighted with a green arrow, and an 'Empty' entry with a checked checkbox. The 'Horizontal (Category) Axis Labels' section contains an 'Edit' button and a list of values: 0, 1, 2, 3, 4. At the bottom of the dialog box, there is a 'Hidden and Empty Cells' section and 'OK' and 'Cancel' buttons.

	A	B	C	D	E	F	G	H	I
3							0		
4							1		
5							2		
6							3		
7							4		
8							5		
9							6		
10							7		
11							8		
12							9		
13							0		
14							1		
15							2		
16							3		
17							4	1	1
18							5	1	1
19							6	1	1
20							7	1	1
21							8	1	1
22							9	1	1
23							0	2	0
24							1	2	0
25							2	2	0

Step 14: Edit Series

The screenshot shows the Microsoft Excel interface with the 'Edit Series' dialog box open. The chart in the background is a grid of colored boxes. The dialog box is titled 'Edit Series' and has a 'Filled Boxes' tab selected. The 'Series name' is 'Full'. The 'Series X values' are set to 'Array Percentage Grid!\$I\$3:\$I\$102' and the 'Series Y values' are set to 'Array Percentage Grid!\$J\$3:\$J\$102'. The 'Series name' is 'Full'. The dialog box has 'OK' and 'Cancel' buttons. Green arrows point to the 'Series X values' and 'Series Y values' fields.

arr_x	arr_y	arr_xx	arr_yy	Series name
0	0	0	0	Full
1	0	1	0	Full
2	0	2	0	Full
3	0	3	0	Full
4	0	4	0	Full
5	0	5	0	Full
6	0	6	0	Full
7	0	7	0	Full
8	0	8	0	Full
9	0	9	0	Full
0	1	0	1	Full
1	1	1	1	Full
2	1	2	1	Full
3	1	3	1	Full
4	1	4	1	Full
5	1	5	1	Full
6	1	6	1	Full
7	1	7	1	Full
8	1	8	1	Full
9	1	9	1	Full

Step 15: Press OK

The image shows the Microsoft Excel interface with a 'Select Data Source' dialog box open. The dialog box contains the following elements:

- Title:** Select Data Source
- Message:** The data range is too complex to be displayed. If a new range is selected, it will replace all of the series in the Series panel.
- Buttons:** Switch Row/Column
- Legend Entries (Series):** Add, Edit, Remove, and a list with 'Empty' and 'Full' checked.
- Horizontal (Category) Axis Labels:** Edit and a list with values 0, 1, 2, 3, 4.
- Bottom Section:** Hidden and Empty Cells, OK, and Cancel buttons.

A green arrow points to the 'OK' button, which is also circled in green. The background shows an Excel spreadsheet with a grid of cells, some containing orange dots, and a cell with 'Percentage: 20.00%'.

Step 16: Right-Click Chart, Format Data Series

The screenshot shows the Microsoft Excel interface with the following elements:

- File Name:** 11. Array Percentage...
- Search:** Search
- Account:** Leutrim Hoti
- Chart Design Ribbon:** Includes options for Conditional Formatting, Format as Table, Cell Styles, Insert, Delete, Format, Sort & Filter, Find & Select, Add-ins, and Analyze Data.
- Formula Bar:** Contains the formula: `=SERIES("Full",'Array Percentage Grid'!J3:J102,'Array Percentage Grid'!J3:J102,2)`
- Worksheet:** Columns A through T are visible. Columns G and H are labeled "Empty Boxes" and "Filled Boxes" respectively. The chart area shows a grid of data points with a percentage label "Percentage: 20.00%".
- Context Menu:** A right-click context menu is open over the chart. The "Format Data Series..." option is highlighted with a green box and a green arrow. Other options include Delete, Reset to Match Style, Change Series Chart Type..., Select Data..., 3-D Rotation..., Add Data Labels, and Add Trendline... The "Series 'Full'" dropdown is also visible.

Step 17: Click Chart, Format Data Series

11. Array Percentage...

Chart 1: $=SERIES("Full", 'Array Percentage Grid'!J3:J102, 'Array Percentage Grid'!J3:J102, 2)$

Percentage: 20.00%

Empty Boxes		Filled Boxes	
arr_x	arr_y	arr_xx	arr_yy
0	0	0	0
1	0	1	0
2	0	2	0
3	0	3	0
4	0	4	0
5	0	5	0
6	0	6	0
7	0	7	0
8	0	8	0
9	0	9	0
0	1	0	1
1	1	1	1
2	1	2	1
3	1	3	1
4	1	4	1
5	1	5	1
6	1	6	1
7	1	7	1
8	1	8	1
9	1	9	1

Format Data Series

Series Options

Line **Marker**

Marker Options

Automatic

None

Built-in

Type ■

Size 15

Fill

No fill

Solid fill

Gradient fill

Step 18: Click Solid Fill, Select Color

The screenshot shows the Microsoft Excel interface. The ribbon includes File, Home, Insert, Page Layout, Formulas, Data, Review, View, Developer, Help, Chart Design, and Format. The Chart Design ribbon is active, showing options for Conditional Formatting, Format as Table, and Cell Styles. The Formula Bar contains the formula: `=SERIES("Full",'Array Percentage Grid'!J3:J102,'Array Percentage Grid'!J3:J102,2)`. The chart area shows a grid of boxes, with a percentage of 20.00% displayed. The data table below the chart is as follows:

Empty Boxes		Filled Boxes	
arr_x	arr_y	arr_xx	arr_yy
0	0	0	0
1	0	1	0
2	0	2	0
3	0	3	0
4	0	4	0
5	0	5	0
6	0	6	0
7	0	7	0
8	0	8	0
9	0	9	0
0	1	0	1
1	1	1	1
2	1	2	1
3	1	3	1
4	1	4	1
5	1	5	1
6	1	6	1
7	1	7	1
8	1	8	1
9	1	9	1

The 'Format Data Series' task pane is open on the right, showing the 'Series Options' section. The 'Solid fill' option is selected, and the color picker is open, showing a purple color. The 'Border' section is also visible, with 'No line' selected.

