

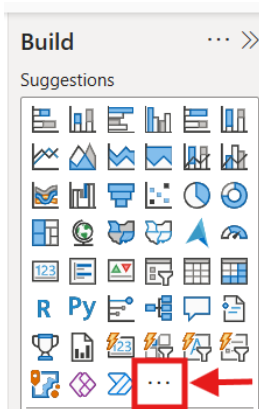
# Getting Started with Deneb in Power BI

## 1. How to Download Deneb

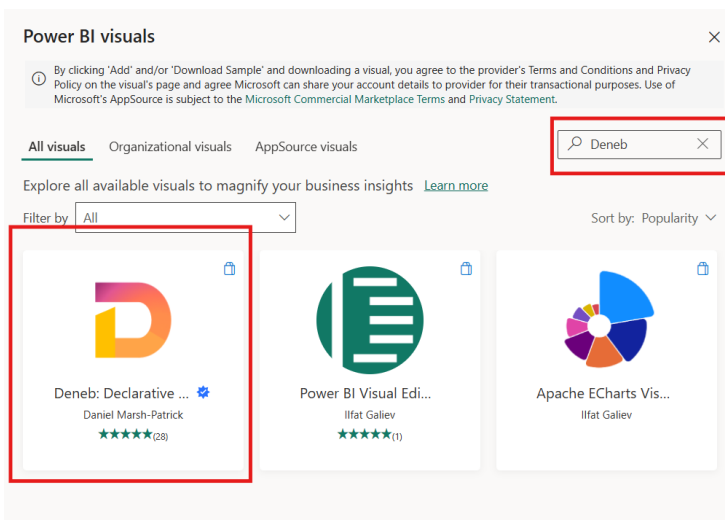
Deneb is a custom visual that enables you to create advanced visualizations using the Vega or Vega-Lite language.

Follow these steps to download and install Deneb in Power BI:

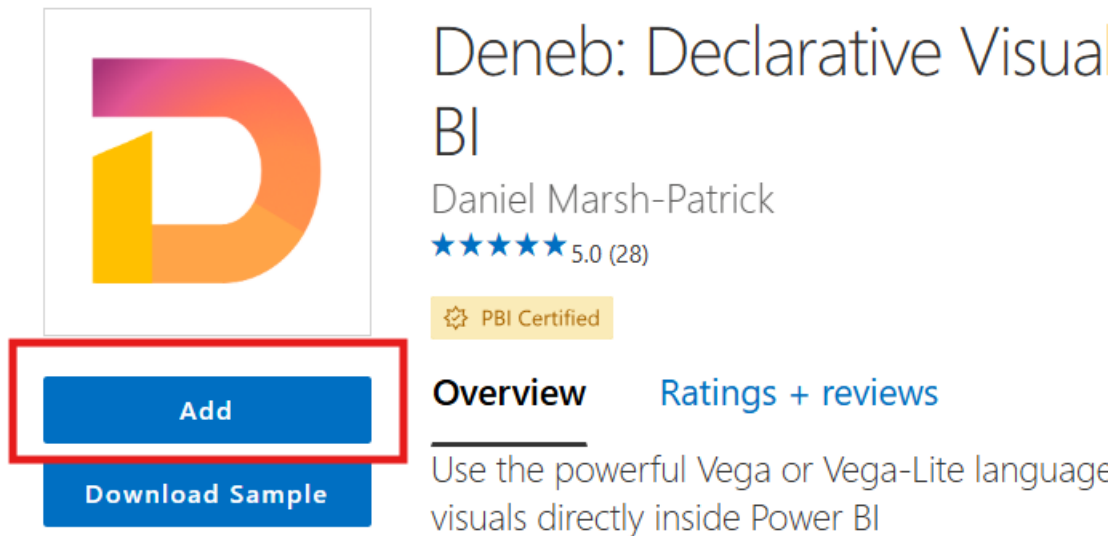
1. Open Power BI Desktop.
2. Click on the "Visualizations" pane (three dots '...') → "Get more visuals".



3. In the Power BI Visuals marketplace, search for "Deneb".



4. Click "Add" to install Deneb.



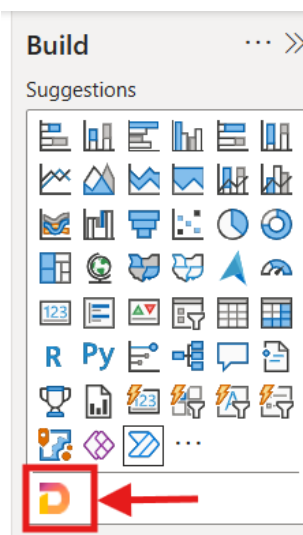
The screenshot shows the Deneb visual's marketplace page. On the left, there's a large 'D' logo with a yellow-to-orange gradient. Below it, a red rectangle highlights the 'Add' button, with a 'Download Sample' button underneath. To the right, the title 'Deneb: Declarative Visuals' is displayed, followed by the author 'Daniel Marsh-Patrick', a 5.0 star rating from 28 reviews, and a 'PBI Certified' badge. Two tabs, 'Overview' and 'Ratings + reviews', are visible. The 'Overview' tab is active, showing the text: 'Use the powerful Vega or Vega-Lite language visuals directly inside Power BI'.

## 2. How to Use a Downloaded JSON Code in Deneb

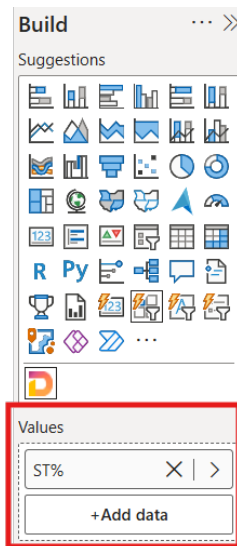
Once you have installed Deneb, you can use a pre-built JSON specification (like Vega-Lite) to create your custom visual.

Here's how to apply a JSON code:

1. Click on the Deneb visual in the Visualizations pane to add it to your report.

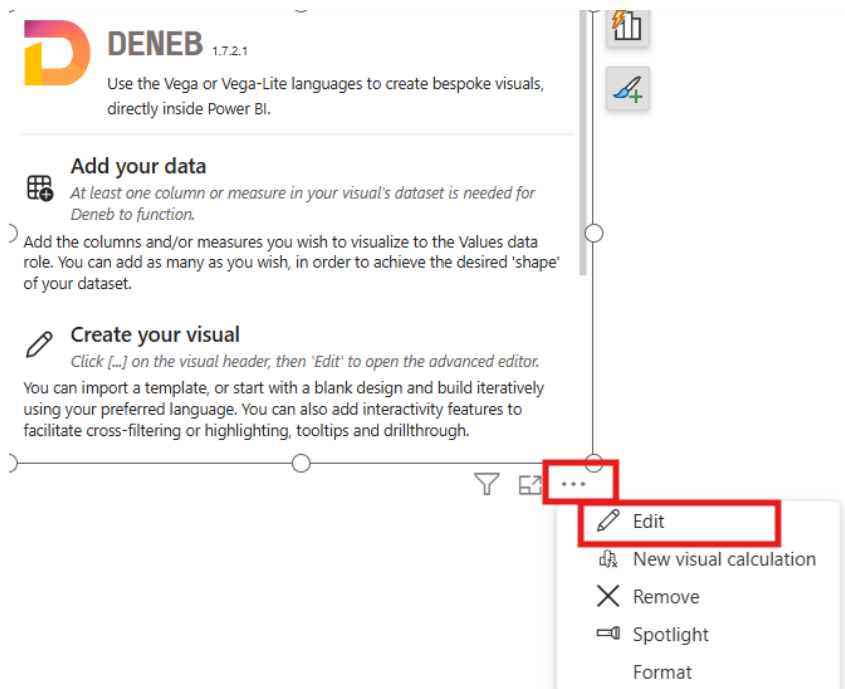


2. Add any measures you think you might need to make graph. (you can correct or change later so anything can work at this point.)



3. Copy the code from the website and paste it on the "Memo Pad" and save the file named anything with **json**. (i.e. File Name: **DenebCode.json**)

4. On the visual canvas, click the "Edit" button.



5. In the editor that opens, drag your JSON code downloaded into the specification window. Or you can simply click the box to browse your JSON files.

**Create or import new specification**

A specification allows you to create a new design using either Vega or Vega-Lite. You can import an existing template, or create a new Vega-Lite or Vega specification.

**Create using...**

- ☒ Existing template
- ☐ Vega-Lite
- ☐ Vega

**Import your file**

Click to browse for a valid template file, or drag one here to import it. You can also paste a valid template from the clipboard (either as JSON or as a file).

No template currently selected - please import a template, or choose from the list of included templates.

Looking for inspiration? You can find more examples at the following locations:

- [Deneb community page](#)
- [Vega example gallery](#)
- [Vega-Lite example gallery](#)

Create Close

6. Refer to Fields and Author's Note to select measures (if you need to add other measures you have selected in step2, then you can add any measures in Value section so it would appear on your measure selection in the middle.)

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**Create using...**

- ☒ Existing template
- ☐ Vega-Lite
- ☐ Vega

**Import your file**

Click to browse for a valid template file, or drag one here to import it. You can also paste a valid template from the clipboard (either as JSON or as a file).

The supplied file validated successfully.

**20250324-Bar0004 by inspidea-datades**

Bar Chart with Shade

Please assign suitable columns or measures from the Values field. It's recommended that you match the data type to the one shown for the template for optimal results. When all items are allocated, click the Create button to begin editing the resulting specification.

Field	Column, measure or condition	Author's notes
AB Flavor	Select a column or measure	Category
# ST%	# ST%	Measurable %
# Total%	Select a column or measure	Should be 1 or 100%
# Total Sold	Select a column or measure	For Tooltip

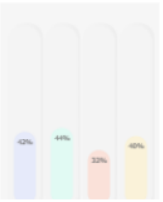
Create Close

7. Click the drop down arrow to select measures.

20250324-Bar0004 by inspidea-datades

Bar Chart with Shade

Please assign suitable columns or measures from the Values field. It's recommended that you match the data type to the one shown for the template for optimal results. When all items are allocated, click the Create button to begin editing the resulting specification.



Field	Column, measure or condition	Author's notes
AB Flavor	ST%	Category
# ST%	AB Flavor	Measurable %
# Total%	✓ # ST%	Should be 1 or 100%
# Total Sold	# Total%	For Tooltip
	# Total Sold	

Create Close

7. Click "Create" or "Save" to render the custom visual.

Tip: To make sure your data fields are mapped correctly to the JSON specification, carefully read Authors note. If graph does not look correct, please try to switch between measures.