

Create a custom theme

REPORT DESIGN IN POWER BI

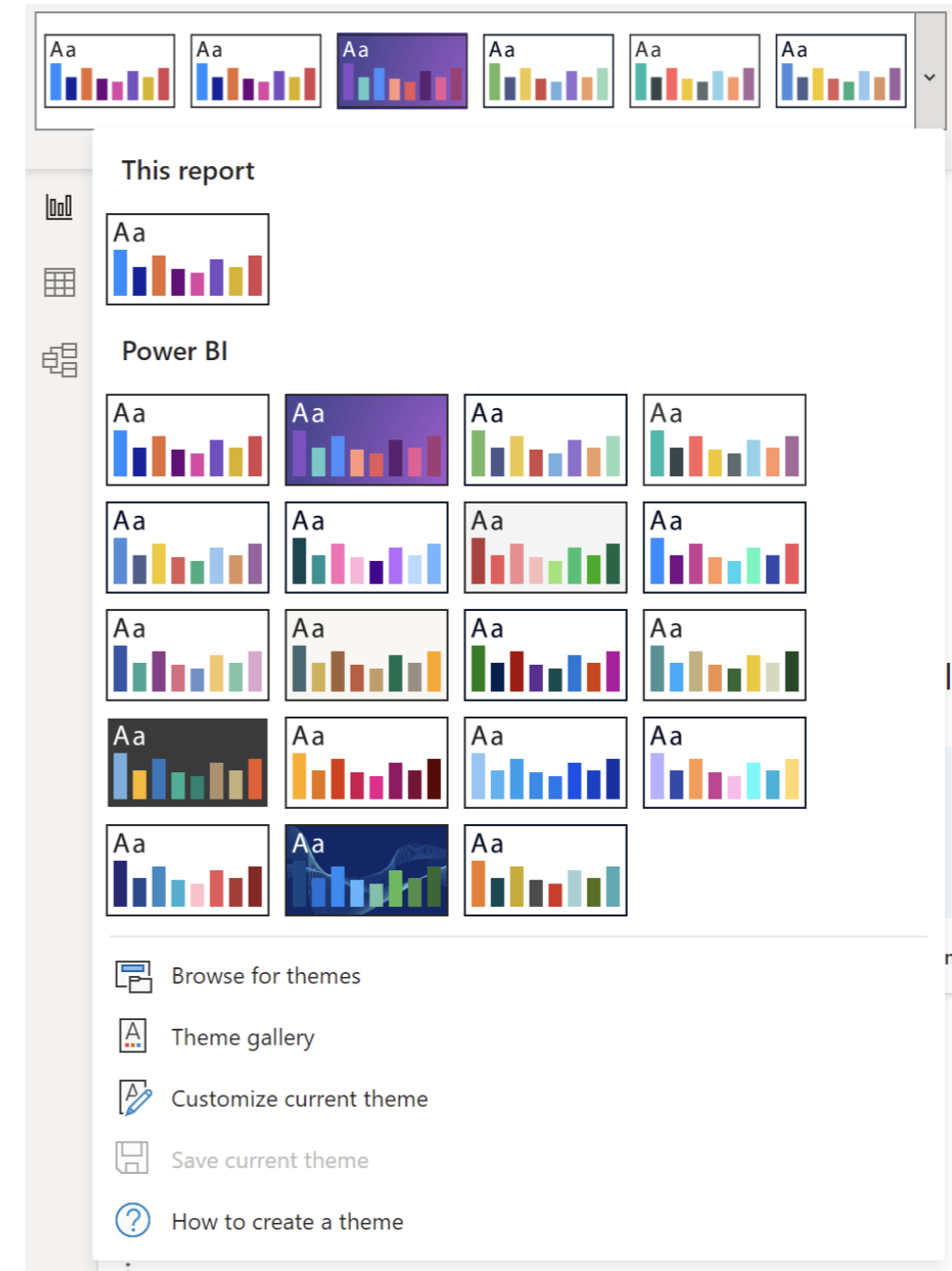


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What are themes?

- Standard set of formatting to apply across your report
- Enables consistent design without the need to edit each item individually
- Colors, icon sets, visual formats, fonts, and sizes
- Built-in themes exist, or you can create custom themes



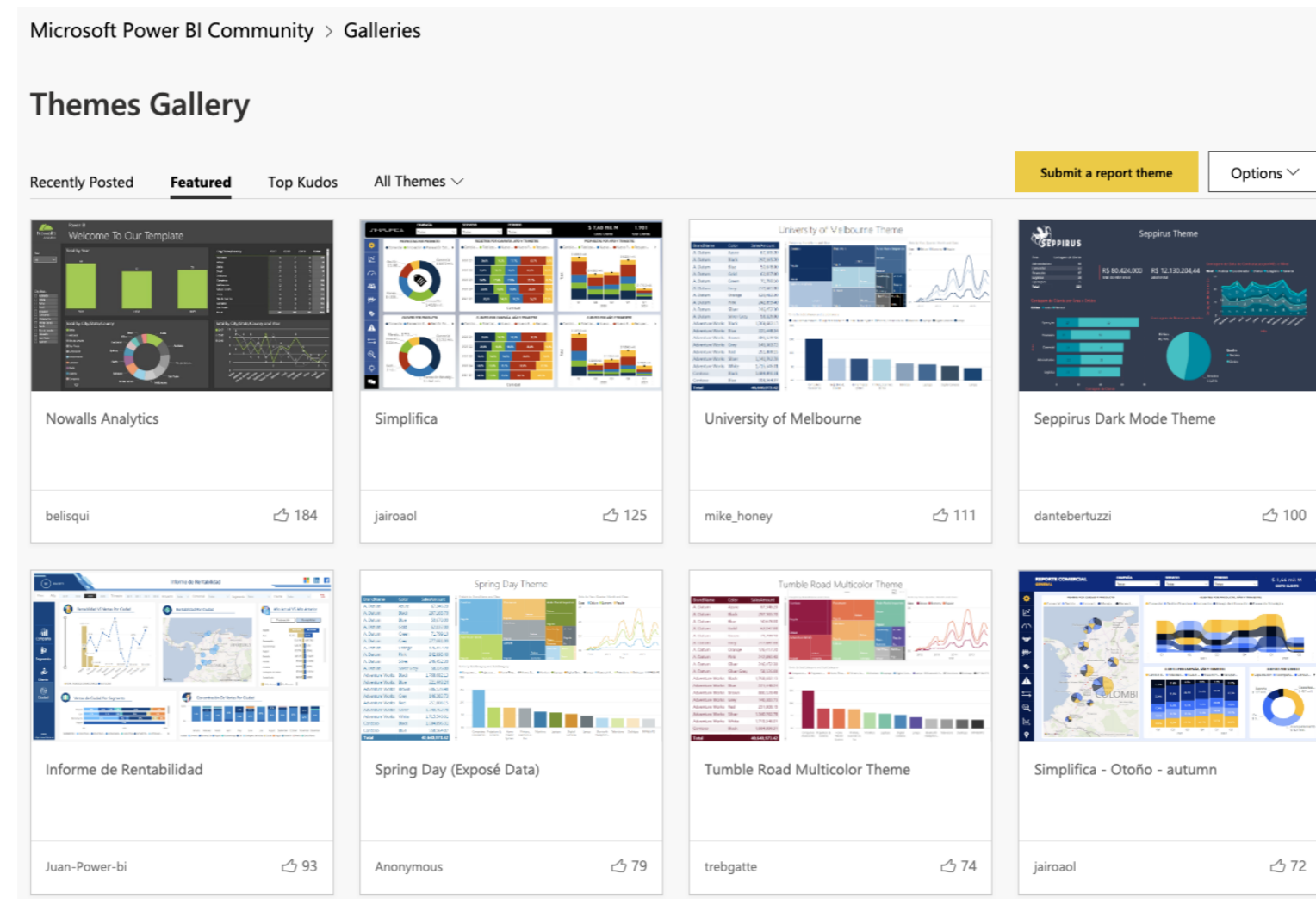
Themes are editable

- Theme files are JavaScript Object Notation (JSON)
- Can modify everything or just the elements you desire
- Example: the theme we have used so far:

```
{  
  "name": "Custom",  
  "textClasses": {  
    "label": {"fontSize": 15},  
    "title": {"fontSize": 15},  
    "header": {"fontSize": 15}  
  }  
}
```

Themes Gallery

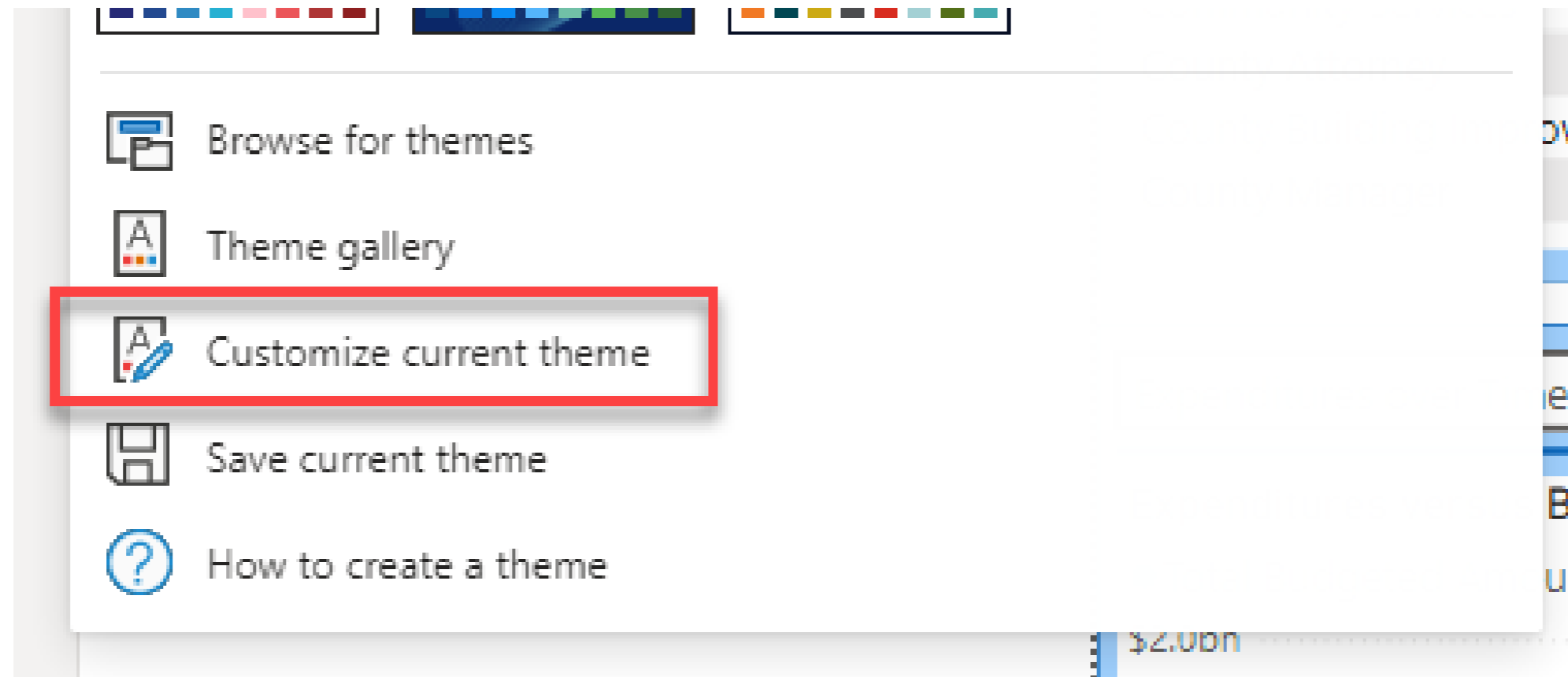
- Browse existing themes for inspiration
- Download themes and import them into your report



¹ <https://community.powerbi.com/t5/Themes-Gallery/bd-p/ThemesGallery>

Methods for editing themes

- Edit in Power BI Desktop with "Customize current theme"
- Modify the JSON directly
- Use third-party tool



What can we edit?

A ribbon chart:

```
63 lines (63 sloc) | 1.57 KB

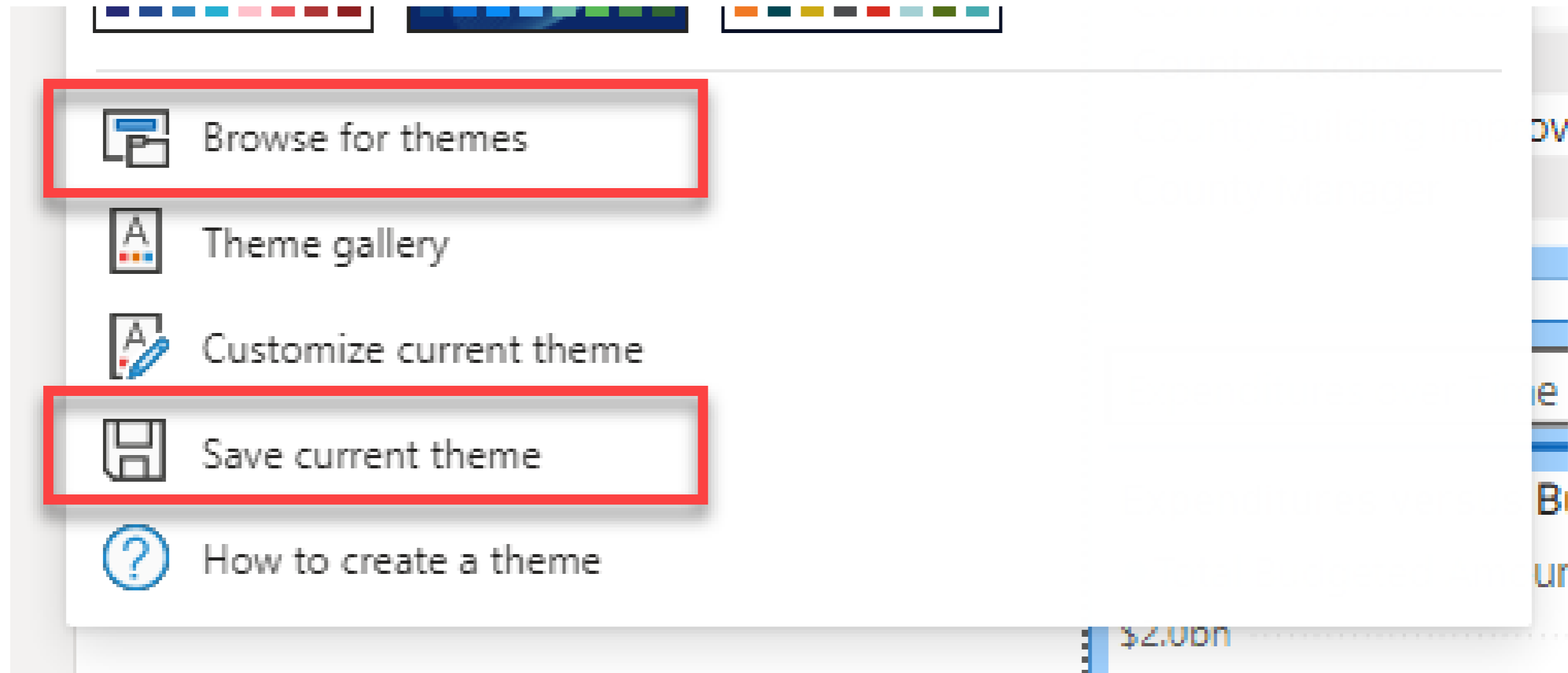
1  {
2      "name": "RibbonTemplate",
3      "visualStyles": {
4          "ribbonChart": {
5              "*": {
6                  "general": [{
7                      "responsive": true,
8                      "keepLayerOrder": true
9                  }],
10                 "legend": [{
11                     "show": true,
12                     "position": "Top",
13                     "showTitle": true,
14                     "titleText": "",
15                     "labelColor": { "solid": { "color": "#01B8AA"}},
16                     "fontFamily": "Courier New",
17                     "fontSize": 10
18                 }],
19                 "categoryAxis": [{
20                     "show": true,
21                     "labelColor": { "solid": { "color": "#01B8AA"}},
22                     "fontSize": 14,
23                     "fontFamily": "Segoe UI",
24                     "preferredCategoryWidth": 30,
25                     "maxMarginFactor": 28,
26                     "innerPadding": 22,
27                     "concatenateLabels": true,
28                     "showAxisTitle": true,
29                     "axisStyle": "showTitleOnly",
30                     "titleColor": { "solid": { "color": "#01B8AA"}},
31                     "titleText": "asdf",
32                     "titleFontSize": 12,
33                     "titleFontFamily": "Segoe UI"
34                 }],
35                 "dataPoint": [{
36                     "defaultColor": { "solid": { "color": "#448822"}}
37                 }],

```

¹ <https://github.com/MattRudy/PowerBI-ThemeTemplates>

Importing and exporting themes

- Import using the "Browse for themes" option.
- Export using the "Save current theme" option.



Theme guidance

Fonts

- Ensure fonts are large enough and easy to read

Colors

- Pick easily distinguishable colors - be sure to check for CVD-friendly color combinations
- Don't use too many colors - Power BI needs no more than 8 options
- Theme color 1 is your primary color
- For light themes, use saturated colors
- For dark themes, use lighter tones
- The filter pane should be a little different from your background

Let's practice!

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Modifying a theme

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