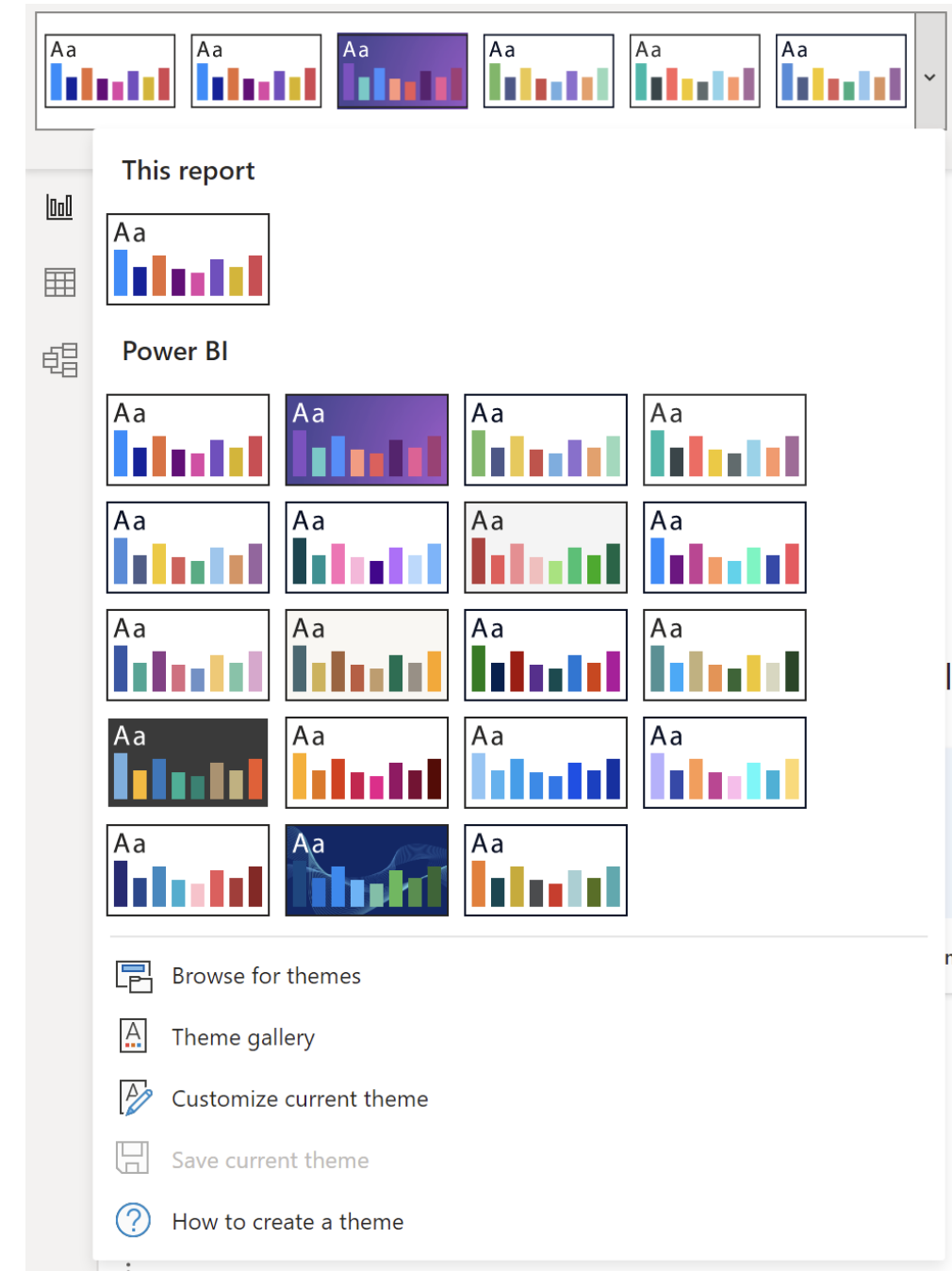# Create a custom theme

REPORT DESIGN IN POWER BI

Jess Ahmet
Content Developer at DataCamp

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

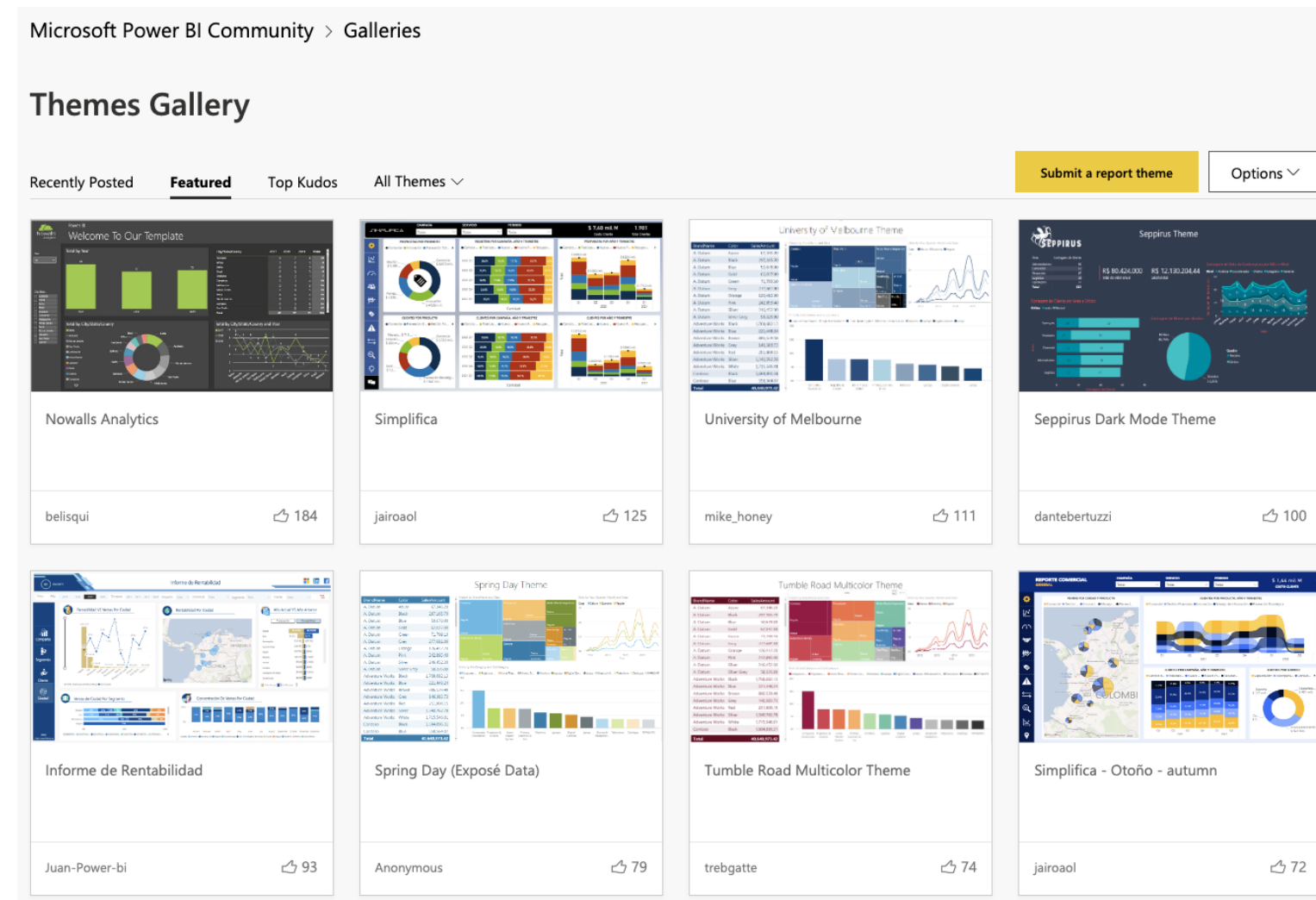- Built-in themes exist, or you can create custom themes

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}
    }
}
```
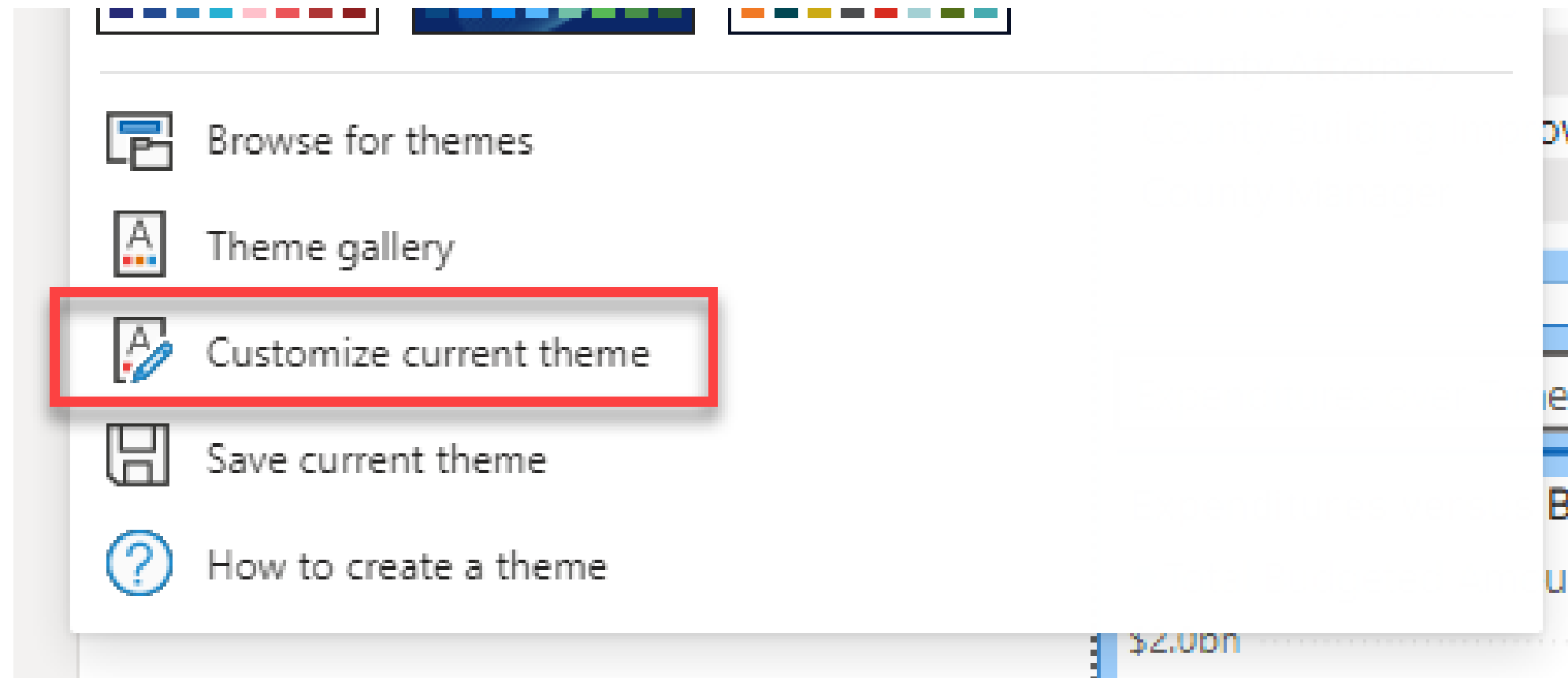
Themes Gallery

- 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                       }],
```
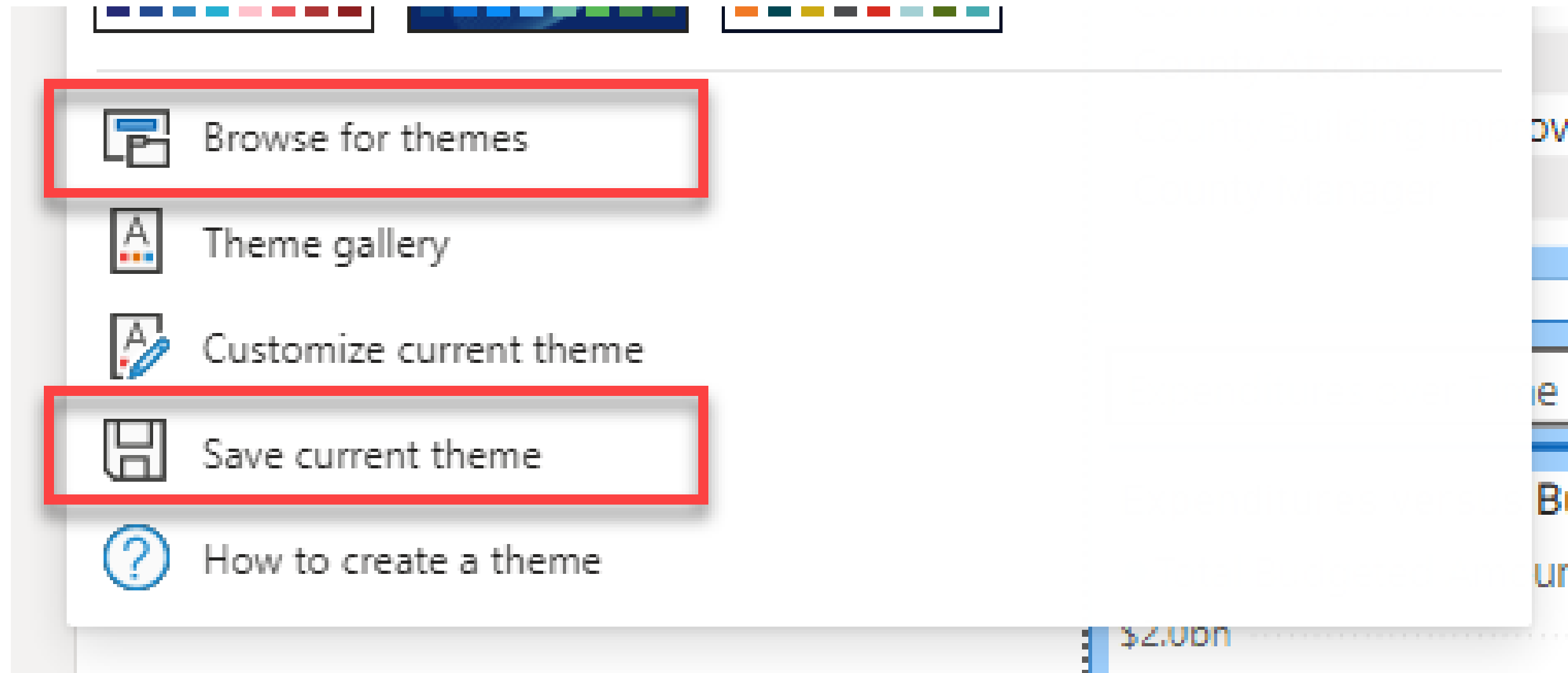
[1] https://github.com/MattRudy/PowerBI-ThemeTemplates

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!

REPORT DESIGN IN POWER BI

Modifying a theme

REPORT DESIGN IN POWER BI

Jess Ahmet
Content Developer

Let's practice!

REPORT DESIGN IN POWER BI