Using beggtheme

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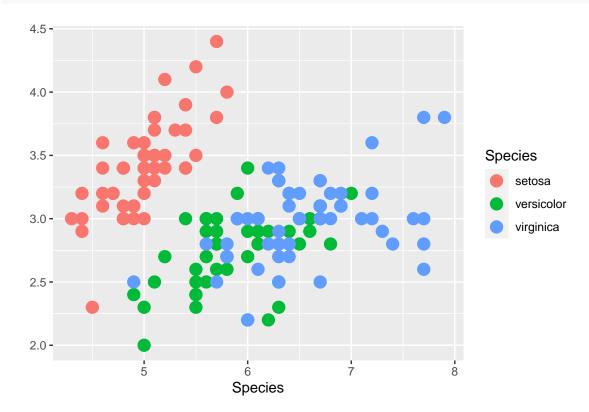
Using the package

This vignette explains how to use bcggtheme to apply BCG-style chart formatting to charts made in R using ggplot.

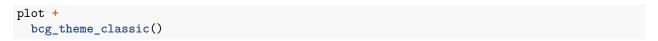
bcggtheme allows for two different chart styles: classic and modern.

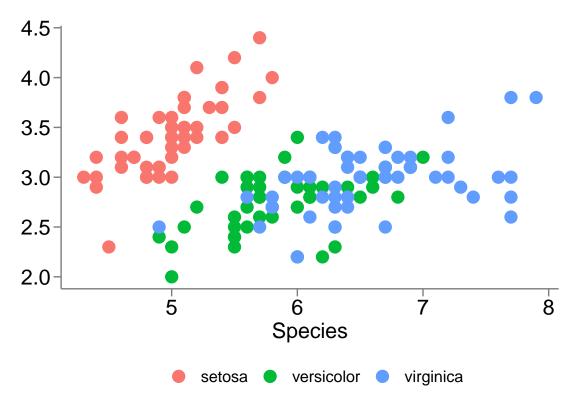
BCG Classic

For example, using the in-built iris dataset:



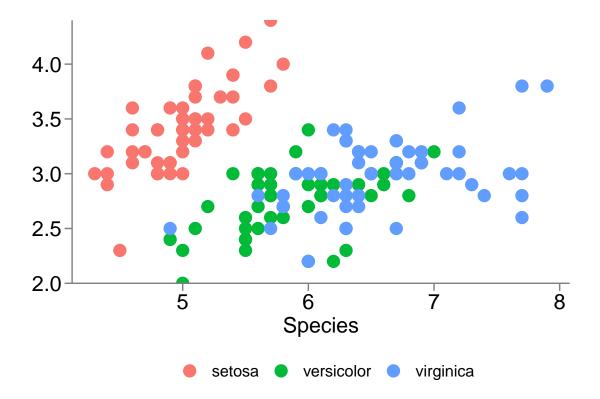
Then we can add the overlaying theme, using bcg_theme_classic. This changes the font, font size, axes, and labels.





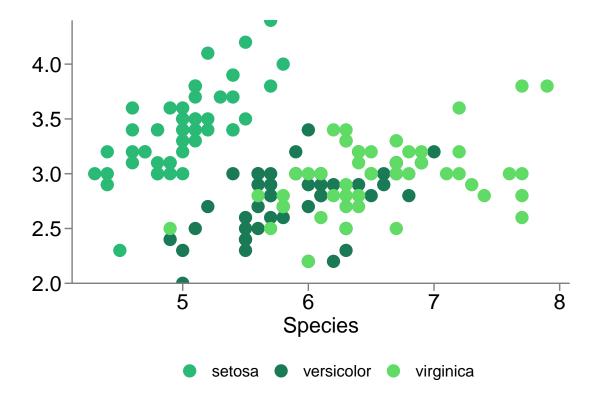
Then change the y scale with bcg_scale_y_continuous(). This gets rid of the gap where the y axis joins the x axis:

```
plot +
bcg_theme_classic() +
bcg_scale_y_continuous()
```



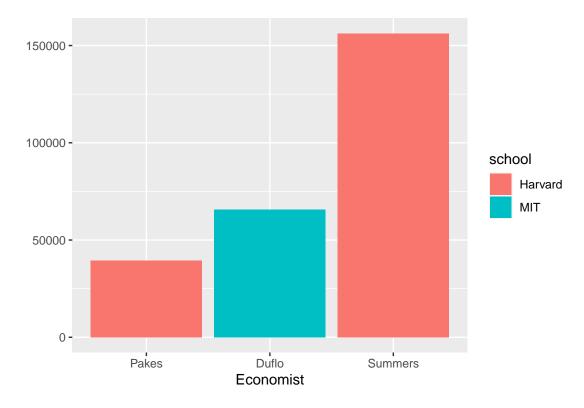
Finally, adjust the colours using bcg_colour_manual:

```
plot +
bcg_theme_classic() +
bcg_scale_y_continuous() +
bcg_colour_manual()
```



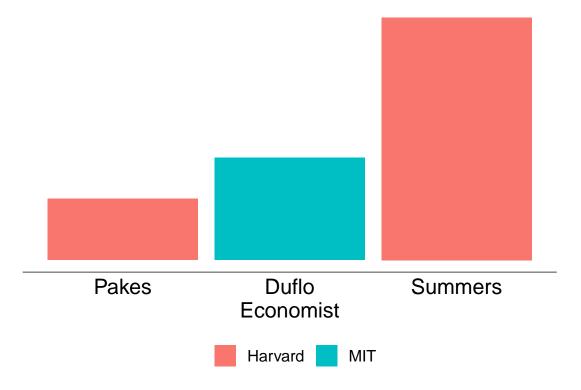
BCG Modern

This works best for bar charts, as will be explained later. Starting with a made-up data set:



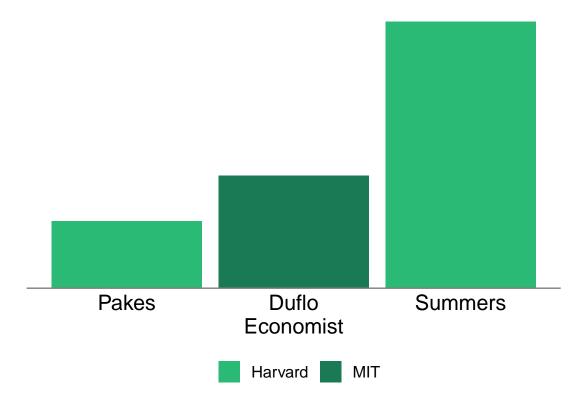
Then we can add the overlaying theme, using bcg_theme_modern . The default option removes the y axis, and removes all axis tick marks

```
plot +
bcg_theme_modern()
```



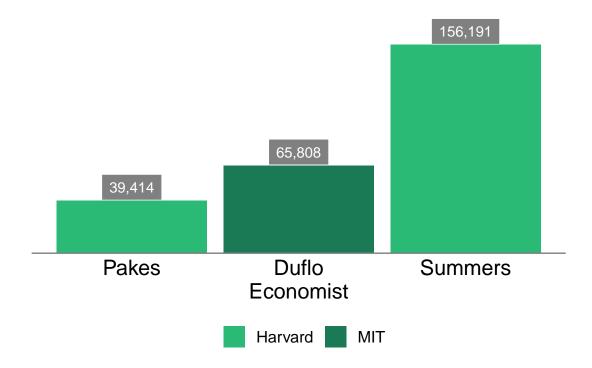
Then we can add the other bells-and-whistles as before, noting that the relevant colour function for is bcg_fill_manual .

```
plot +
bcg_theme_modern() +
bcg_scale_y_continuous() +
bcg_fill_manual()
```



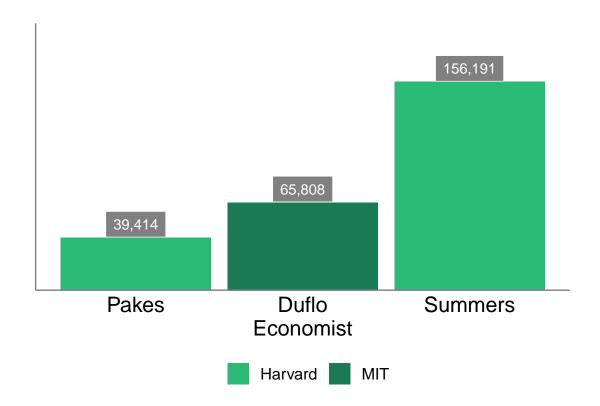
Clearly this chart isn't very useful, because we don't know anything about the actual magnitude of citations for each economist. The way around this is to add in labels. We do this using bcg_geom_label, which adds standard grey box labels at the top of each bar. You will then have to use nudge_y to move the box up a little bit.

```
plot +
bcg_theme_modern() +
bcg_scale_y_continuous(limits = c(0,200000)) +
bcg_fill_manual() +
bcg_geom_label(aes(label = scales::comma(citations)), nudge_y = 10000)
```



With the modern version we can add the y axis line back in, using bcg_theme_modern(y_axis = TRUE). However, this doesn't come with the values.

```
plot +
bcg_theme_modern(y_axis = TRUE) +
bcg_scale_y_continuous(limits = c(0,200000)) +
bcg_fill_manual() +
bcg_geom_label(aes(label = scales::comma(citations)), nudge_y = 10000)
```



Colours

The package is loaded with 6 standard colours. Both bcg_colour_manual and bcg_fill_manual choose colours in the following order, from top to bottom.

