Controlling axis and legends

- We can control the axes using the `add_axis` function
- This controls axis labels, tick marks and even grid lines

```
add_axis("x", title = "Month")
```

Controlling axis and legends

The `add_legend` and `hide_legend` functions allow us to control if we see a legend and where it appears

```
hide_legend("fill")
add_legend(c("fill", shape))
```

Scales

ggvis has fewer scale functions than in ggplot2 but control much more

```
> grep("^scale", objects("package:ggvis"), v
[1] "scale_datetime" "scale_logical" "scale_
[5] "scale_ordinal" "scale_singular" "scaled
```

ggvis VS ggplot2 : How are they similar?

- We can layer graphics in a similar fashion
- Aesthetics can be set based on variables in the data
- We can control the type of plot with specific functions

ggvis vs ggplot2 : How are they different?

From point of view of **ggvis**

- Only one main plot function to work with as opposed to two
- Layering is done using %>% rather than +
- Fewer scale functions
- Much functionality is not yet available in **ggvis** e.g. facetting

Which should I use?

- For static graphics: **ggplot2**
- For interactive graphics: **ggvis**
- **WARNING:** If you are using ggvis remember it's still being actively developed and may change in structure and functionality