

# ggplot2 theme elements reference

Set minimal as the baseline  
theme:

```
theme_minimal() +  
theme(theme.element = element_type())
```

Axis titles, text, ticks, and lines can be specified per axis using theme inheritance by putting .x/.y at the end of the theme element.

```
axis.line.x = element_line()
```

```
axis.title.x = element_text()
```

```
panel.grid.major = element_line()
```

```
panel.grid.major = element_line()
```

```
axis.text.y
```

```
axis.text = element_text()
```

```
axis.text.x
```

```
text = element_text() ← modifications will be applied to all text elements
```

```
plot.title.position = "plot"  
plot.caption.position = "plot"  
  
plot.title = element_text()  
plot.subtitle = element_text()
```

"plot" means that they will be aligned to the entire plot (instead of the panel)

```
plot.margin = margin(25, 25, 25, 25)
```

```
legend.title  
= element_text()
```

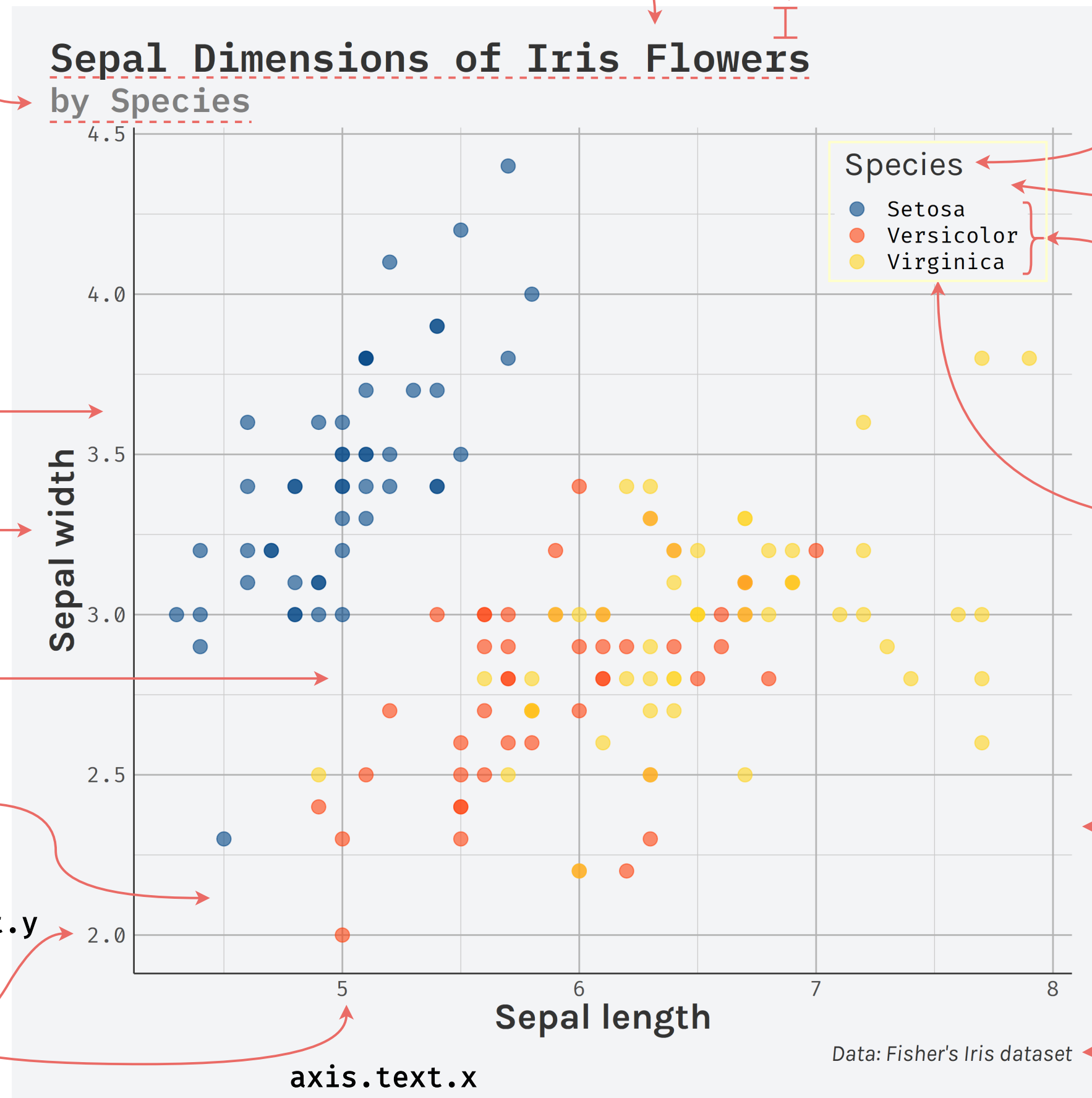
```
legend.background  
= element_rect()
```

```
legend.text  
= element_text()
```

```
legend.position  
= c(.85,.9) / "none" /  
"left" / "right" /  
"bottom" / "top"
```

```
plot.background  
= element_rect()
```

```
plot.caption  
= element_text()
```



Full list of elements at <https://ggplot2.tidyverse.org/reference/theme.html>