Theming in ggplot

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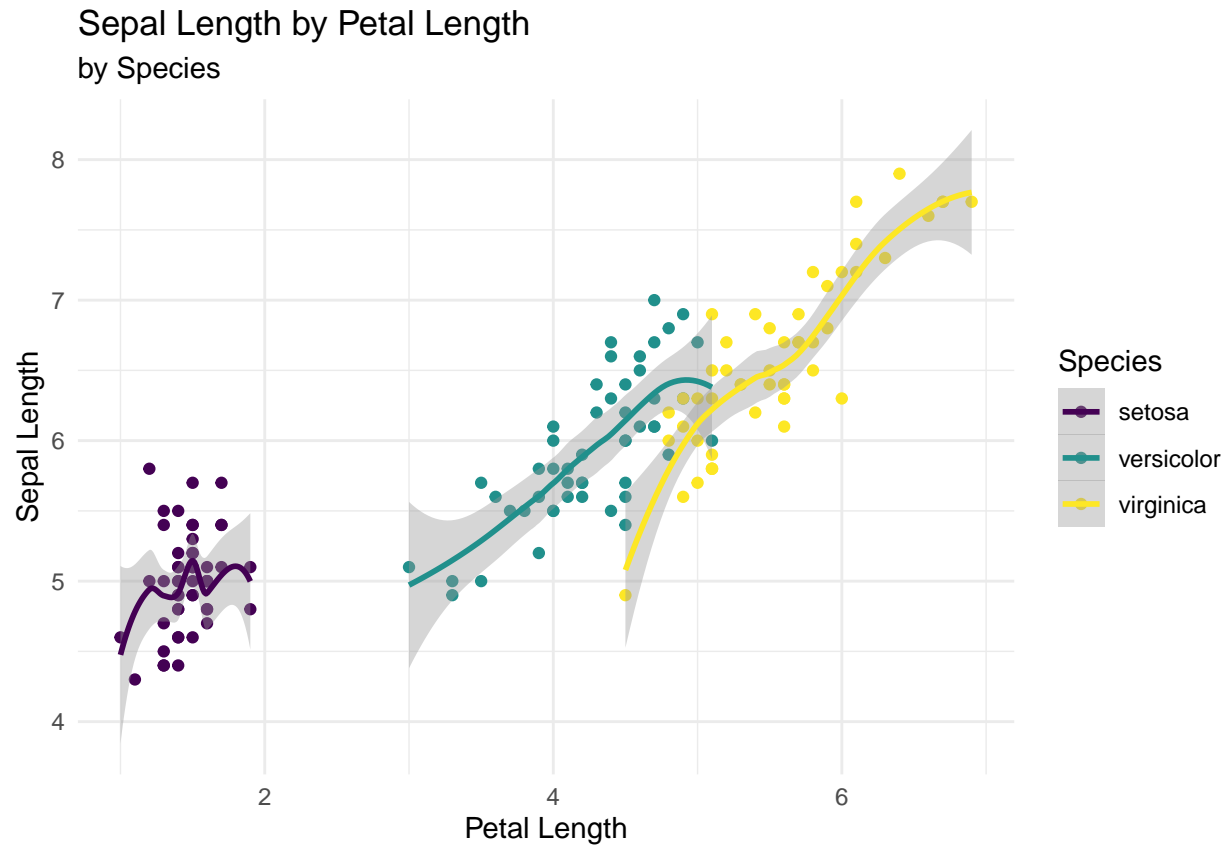*2020-02-11*

Contents

1 Basic ggplot Graph

```r
data("iris") # famous iris flower data

library(ggplot2)

p0 <- ggplot(iris,
             aes(x = Petal.Length, # x is petal length
                 y = Sepal.Length, # y is sepal length
                 color = Species)) + # color is species
  geom_point() + # use points
  geom_smooth() + # use smoother
  scale_color_viridis_d() + # viridis color palette
  labs(title = "Sepal Length by Petal Length",
       subtitle = "by Species",
       x = "Petal Length",
       y = "Sepal Length") +
  theme_minimal() # minimal "preset" theme

p0 # replay
```

Sepal Length by Petal Length
by Species

2 Theming Added

```
p0 +
  theme(plot.title = element_text(size = 20,), # larger title
        plot.subtitle = element_text(size = 18, # larger subtitle
                                     color = "grey"), # grey subtitle
        axis.text.x = element_text(angle = -45), # rotate x axis labels
        axis.text.y = element_text(angle = 45, # rotate y axis labels
                                   color = "red")) # y axis label color
```

Sepal Length by Petal Length
by Species