





Only edit title, subtitle & author above this ---







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Contents

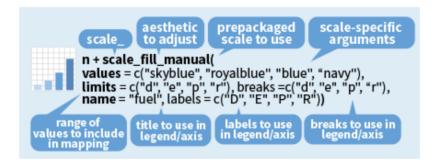


- Scales color
- Scales shape
- facet_wrap

Scales • Discrete Colors

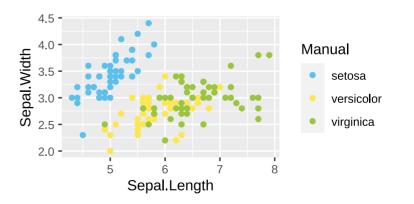


- scales: position, color, fill, size, shape, alpha, linetype
- syntax: scale_<aesthetic>_<type>







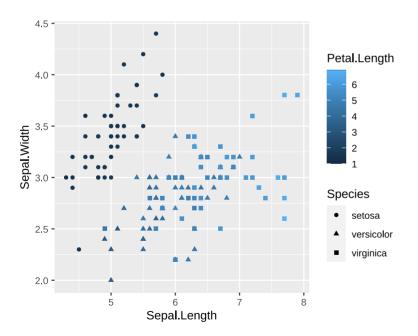


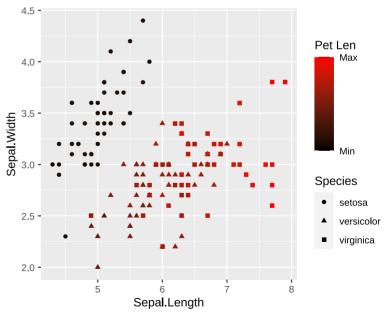




• In RStudio, type scale_, then press TAB

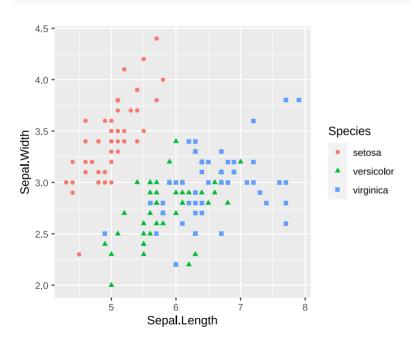
```
p +
scale_color_gradient(name="Pet Len",
  breaks=range(iris$Petal.Length),
  labels=c("Min","Max"),
  low="black",high="red")
```



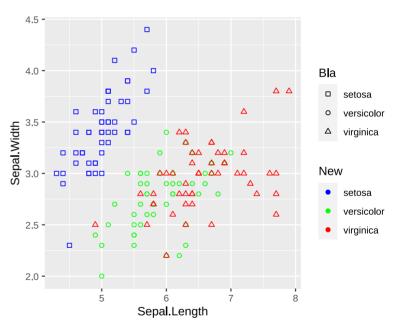


Scales • Shape





```
p +
scale_color_manual(name="New",
    values=c("blue","green","red"))+
scale_shape_manual(name="Bla",values=c(0,1,
```

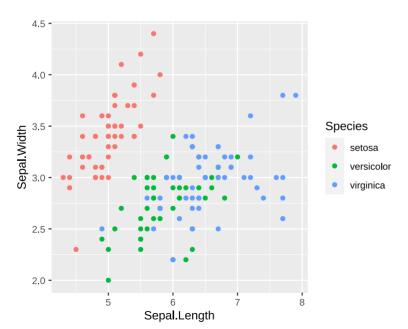


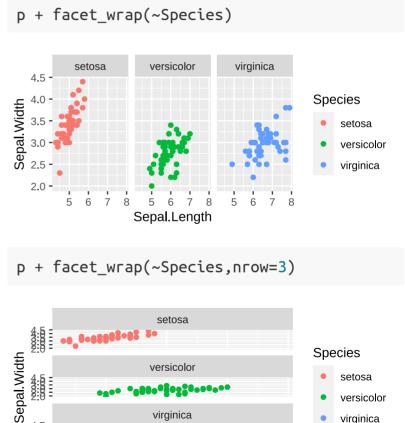
Facets • facet_wrap

NB SciLifeLab

- Split to subplots based on variable(s)
- Facetting in one dimension

```
p <- ggplot(iris)+</pre>
      geom_point(aes(x=Sepal.Length,
                       y=Sepal.Width,
                       color=Species))
P
```





virginica

Sepal.Length

versicolor

virginica

