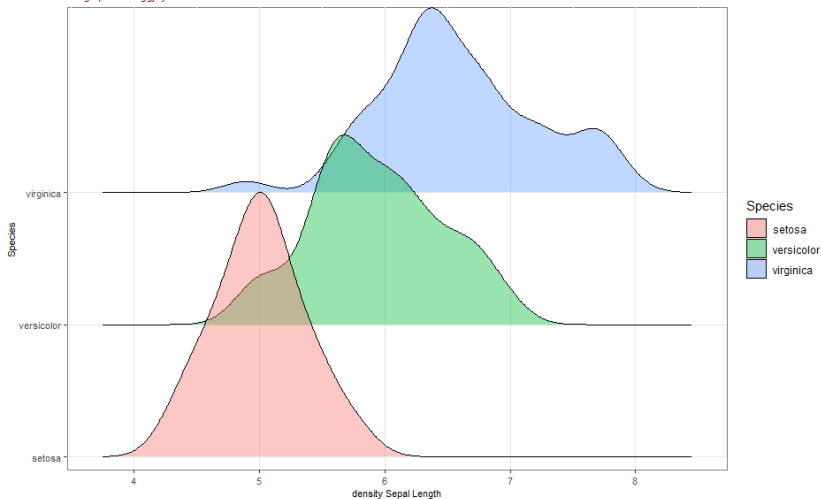


Ridge plot with ggjoy

Multiple densities on different levels

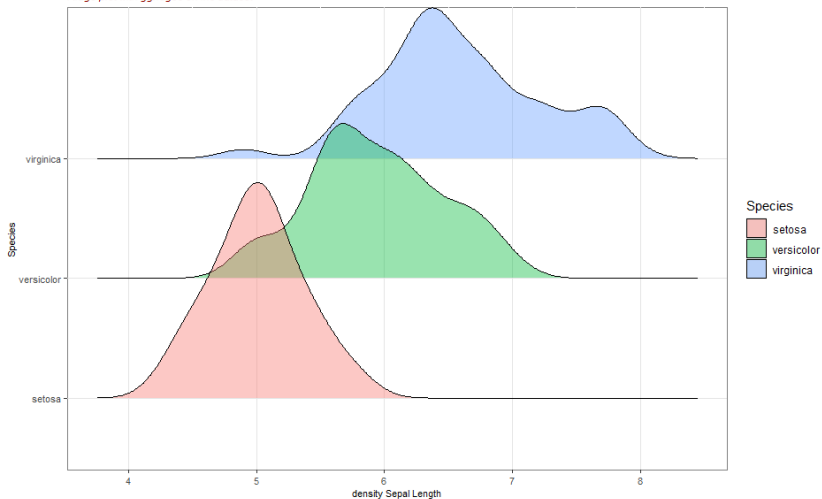
Ridge plot with ggjoy on iris dataset



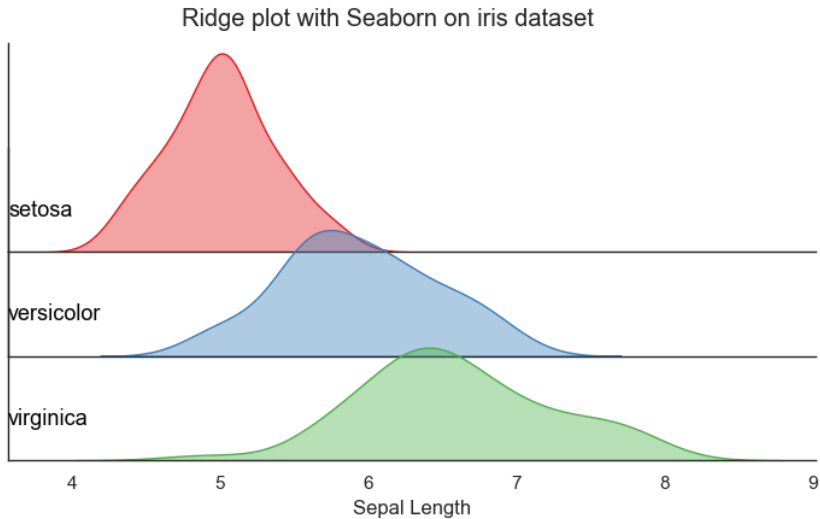
Ridge plot with ggridges

Multiple densities on different levels

Ridge plot with ggridges on iris dataset



Ridge plot with seaborn



R code for figure 1

```
1 library(ggplot2)
2 library(ggjoy)
3
4 # example 1 using iris data
5 data(iris)
6
7 # plot
8 ggplot(iris, aes(x = Sepal.Length, y = Species, fill = Species)) +
9   geom_joy(scale = 2, alpha = 0.4) + #
10     create_ridges
11   scale_y_discrete(expand=c(0.05, 0)) +
12   scale_x_continuous(expand=c(0.05, 0.05)) +
13   labs(title = 'Multiple densities on different levels',
14        subtitle = 'Ridge plot with ggjoy on iris dataset',
15        y="Species", x="density Sepal Length") +
16   theme(axis.text=element_text(size=8),
17         axis.title=element_text(size=8),
18         plot.subtitle=element_text(size=9, face="italic", color="darkred"),
19         panel.background = element_rect(fill = "white", colour = "grey50"),
20         panel.grid.major = element_line(colour = "grey90"))
```

R code for figure 2

```
1 library(ggribes)
2
3 # plot
4 ggplot(iris, aes(x = Sepal.Length, y = Species, fill = Species)) +
5   geom_density_ridges(alpha = 0.4) + #
6   create_ridges
7   labs(title = 'Multiple densities on different levels',
8        subtitle = 'Ridge plot with ggribes on iris dataset',
9        y="Species", x="density Sepal Length") +
10  theme(axis.text=element_text(size=8),
11        axis.title=element_text(size=8),
12        plot.subtitle=element_text(size=9, face="italic", color="darkred"),
13        panel.background = element_rect(fill = "white", colour = "grey50"),
14        panel.grid.major = element_line(colour = "grey90"))
```

Python code for figure 3

```
1 import seaborn as sns
2 import matplotlib.pyplot as plt
3 %matplotlib inline
4
5 # load iris data
6 iris = sns.load_dataset('iris')
7
8 # plotting
9 sns.set_theme(style="white", rc={"axes.facecolor": (0, 0, 0, 0), 'axes.linewidth':1})
10 palette = sns.color_palette("Set1", 3)
11 g = sns.FacetGrid(iris, row="species", palette = palette, hue="species", aspect
    =5, height=1.5)
12 g.map_dataframe(sns.kdeplot, x="sepal_length", fill= True, alpha=0.4)
13 def label(x, color, label):
14     ax = plt.gca()
15     ax.text(0, .2, label, color='black', fontsize=13,
16           ha="left", va="center", transform=ax.transAxes)
17 g.map(label, "species")
18 g.fig.subplots_adjust(hspace=-.5)
19 g.set_titles("")
20 g.set(yticks=[], ylabel="", xlabel="Sepal Length")
21 plt.suptitle('Ridge plot with Seaborn on iris dataset', y=0.98)
```