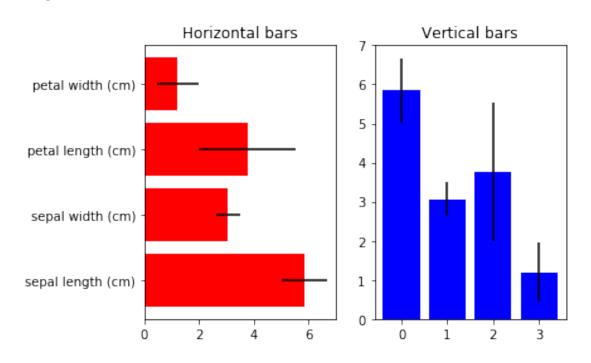
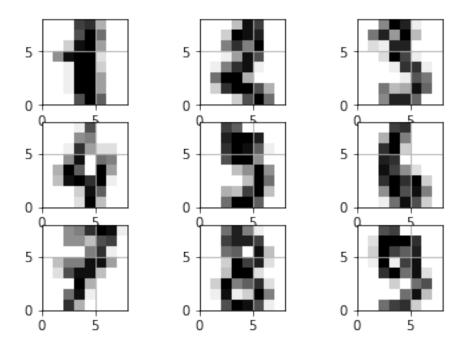
visualization2

April 15, 2019

```
In [1]: %matplotlib inline
        from sklearn.datasets import load_iris
        import numpy as np
        import matplotlib.pyplot as plt
        iris = load_iris()
        averge = np.mean(iris.data,axis=0)
        std = np.std(iris.data,axis=0)
        range_ = range(np.shape(iris.data)[1])
In [5]: plt.subplot(1,2,1)
       plt.title("Horizontal bars")
       plt.barh(range_, averge, color='r',xerr=std, alpha=1, align='center')
       plt.yticks(range_, iris.feature_names)
       plt.subplot(1,2,2)
       plt.title("Vertical bars")
       plt.bar(range_, averge, color='b', yerr=std, alpha=1, align='center')
       plt.xticks(range_, range_)
       plt.show()
```







In []: