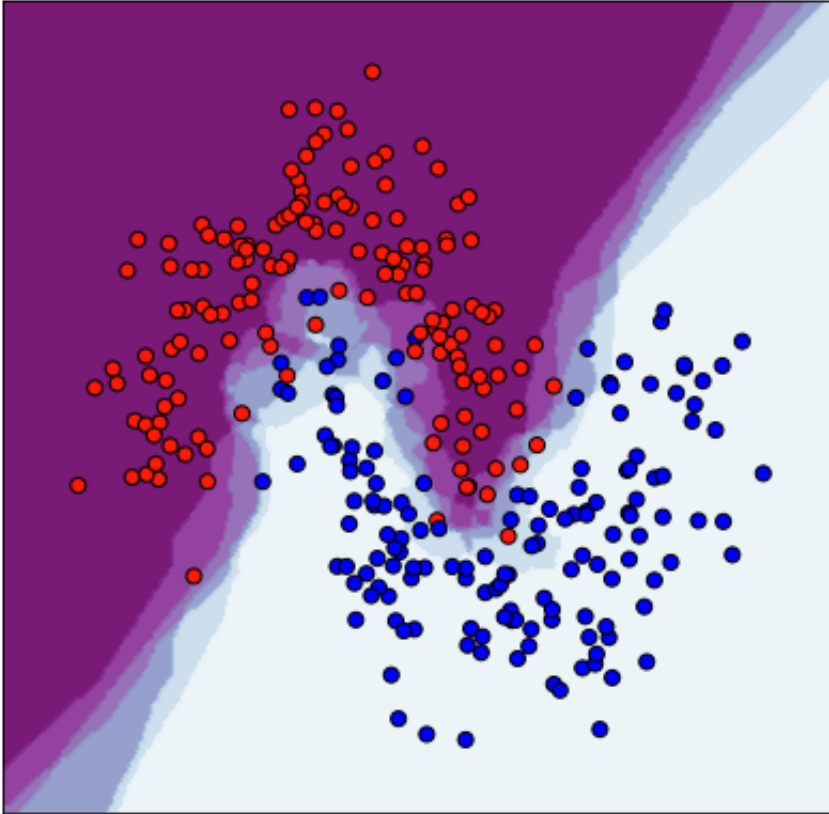
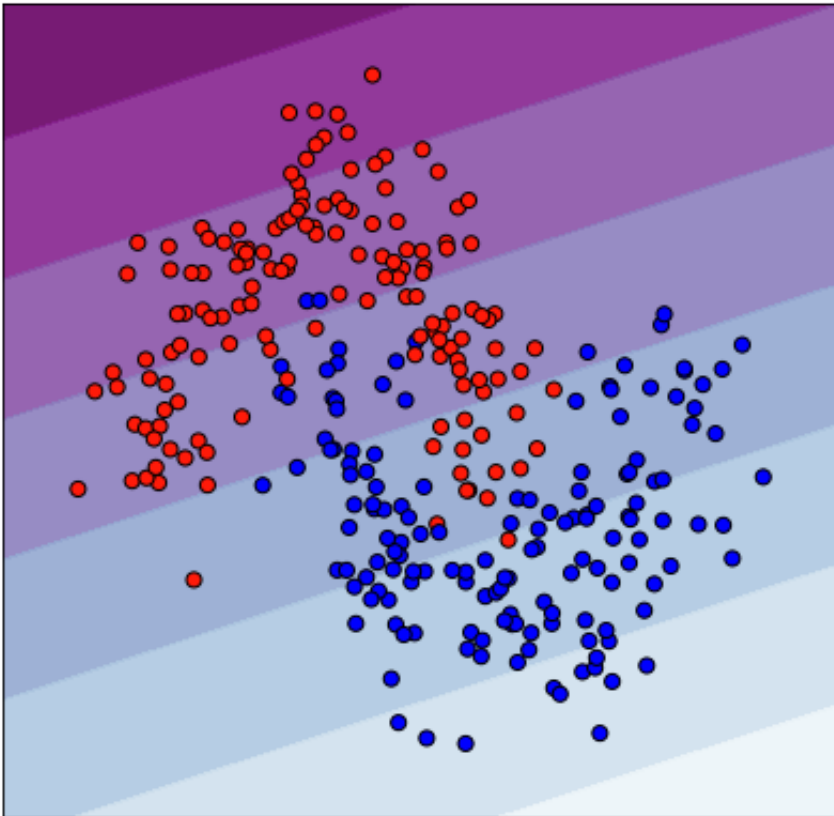


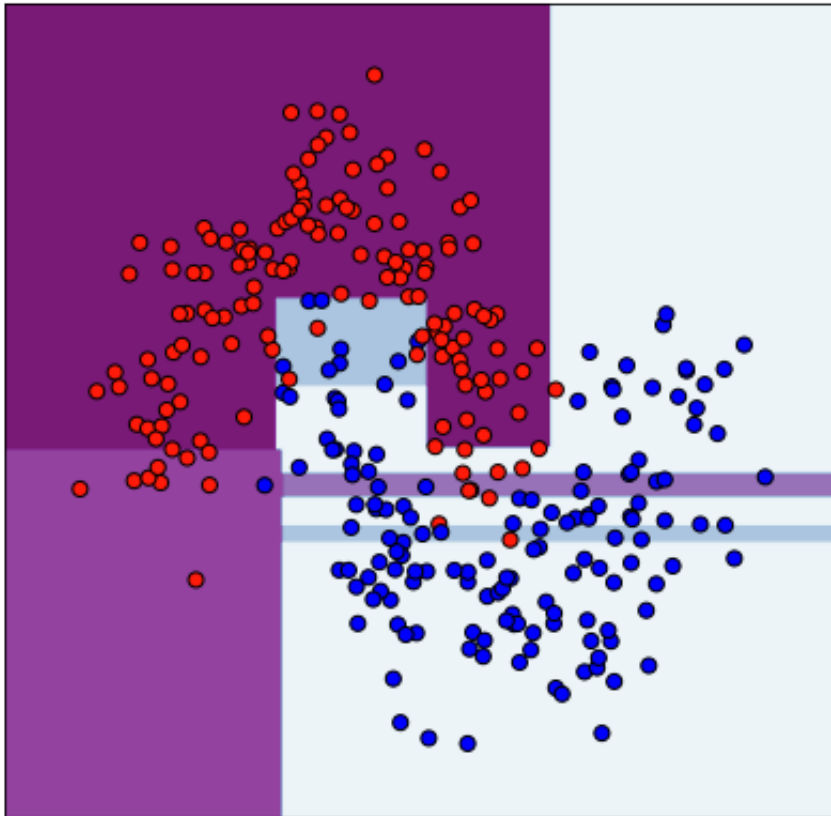
KNN: Decision surface is non-linear and does not consist of vertical and horizontal lines



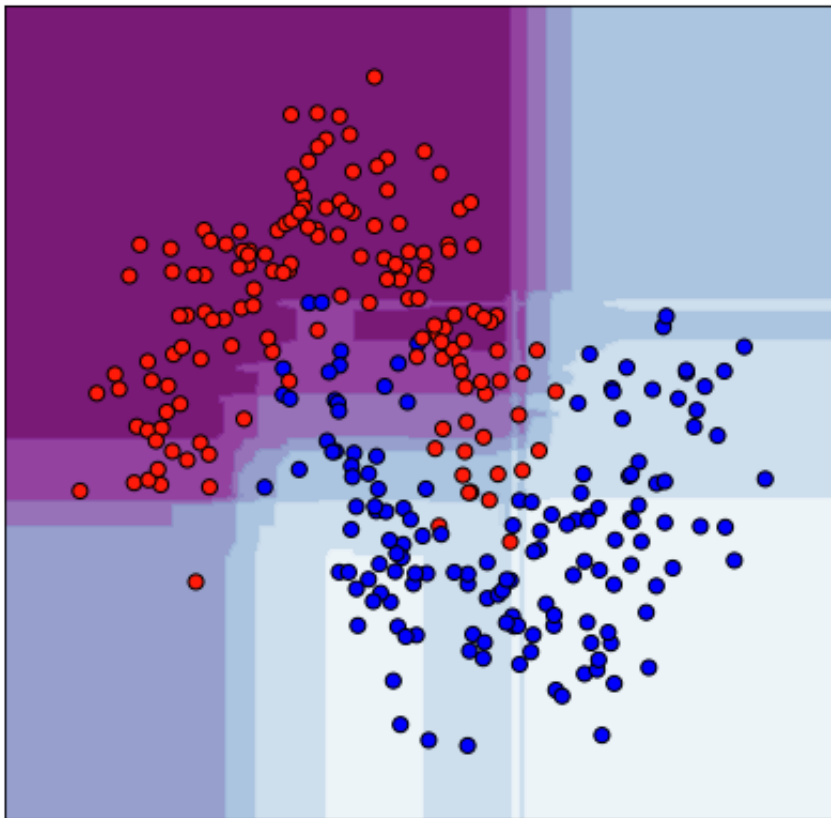
Linear Model: Decision boundary is hyperplane



Decision Tree: Decision surface consists of lines parallel to the axis and it is sharp.



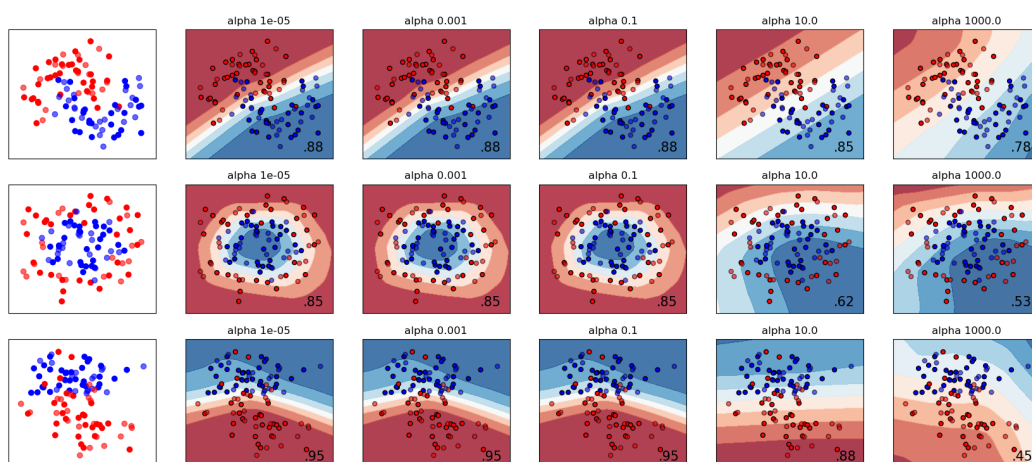
Random Forest: Decision surface consists of lines parallel to the axis and its boundaries are smooth



Neural Network: boundaries are soft and smooth

[http://scikit-](http://scikit-learn.org/stable/auto_examples/neural_networks/plot_mlp_alpha.html)

[learn.org/stable/auto\\_examples/neural\\_networks/plot\\_mlp\\_alpha.html](http://scikit-learn.org/stable/auto_examples/neural_networks/plot_mlp_alpha.html)



# Classifier comparison

[http://scikit-](http://scikit-learn.org/stable/auto_examples/classification/plot_classifier_comparison.html)

[learn.org/stable/auto\\_examples/classification/plot\\_classifier\\_comparison.html](http://scikit-learn.org/stable/auto_examples/classification/plot_classifier_comparison.html)

