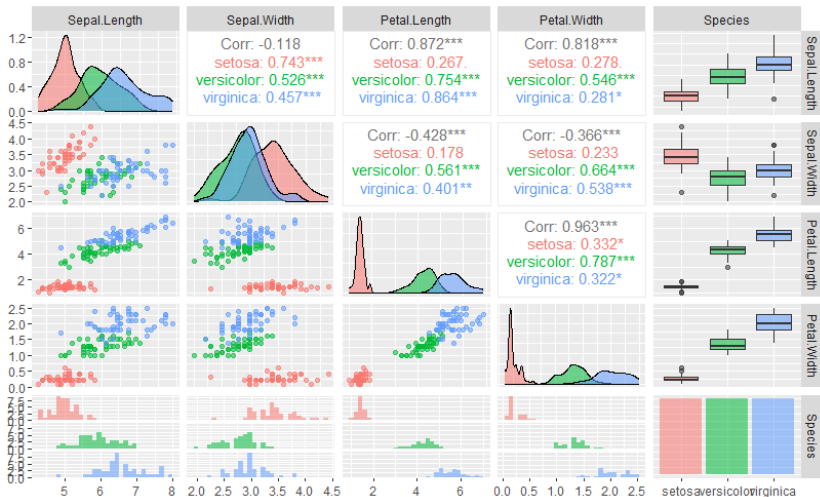


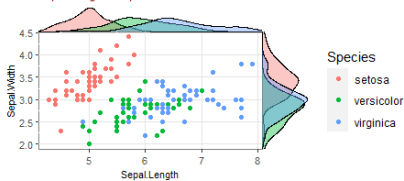
Visualization of Iris dataset



Scatterplots with marginal densities

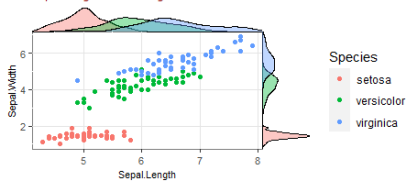
Scatterplot with marginal densities

Sepal.Length x Sepal.Width from Iris dataset



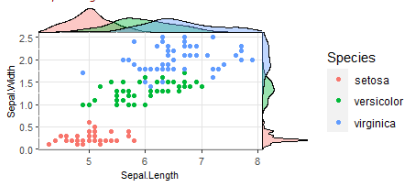
Scatterplot with marginal densities

Sepal.Length x Petal.Length from Iris dataset



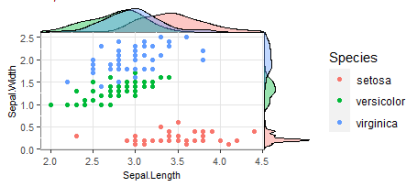
Scatterplot with marginal densities

Sepal.Length x Petal.Width from Iris dataset



Scatterplot with marginal densities

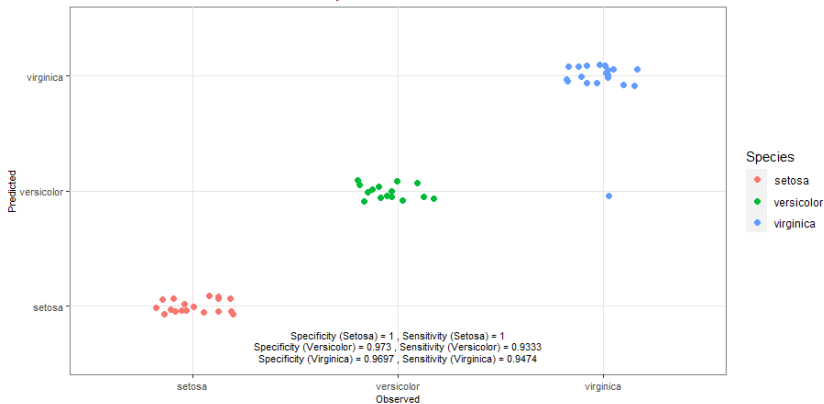
Sepal.Width x Petal.Length from Iris dataset



Naïve Bayes: Confusion matrix

Confusion Matrix - Naive Bayes Classifier

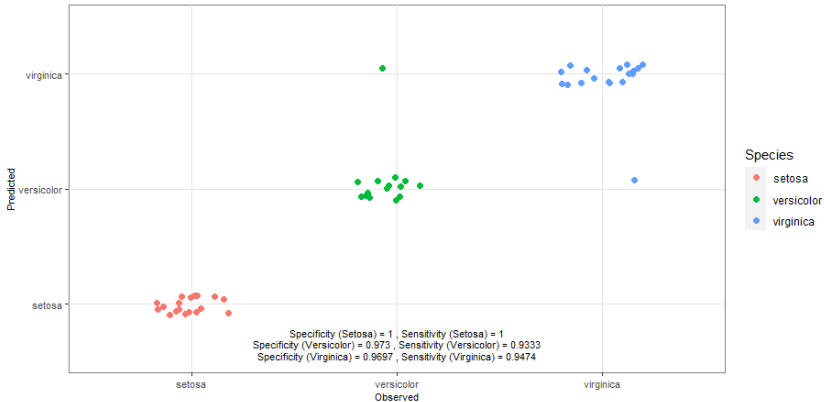
Predicted vs. Observed from Iris dataset. Accuracy: 0.9808



Random Forest: Confusion matrix

Confusion Matrix - Random Forest

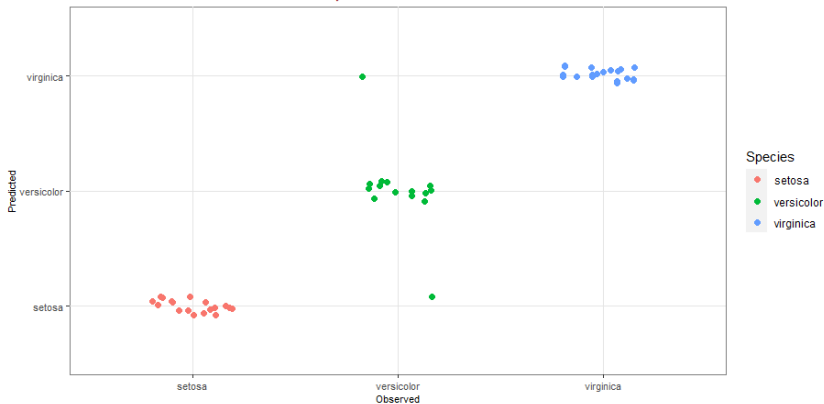
Predicted vs. Observed from Iris dataset. Accuracy: 0.9615



Logistic Regression: Confusion matrix

Confusion Matrix - Multinomial Logistic Regression

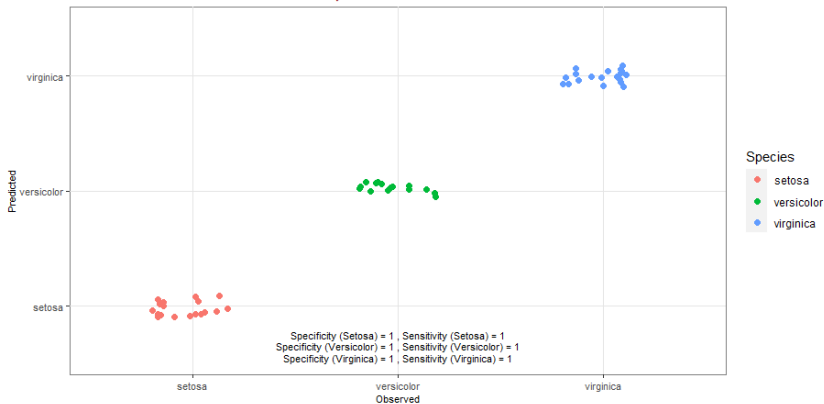
Predicted vs. Observed from Iris dataset. Accuracy:



Support Vector Machines: Confusion matrix

Confusion Matrix - Support Vector Machines

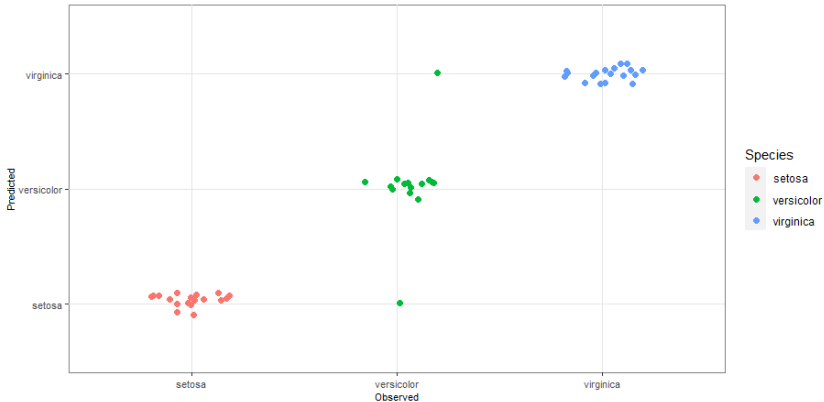
Predicted vs. Observed from Iris dataset. Accuracy: 1



Neural Network: Confusion matrix

Confusion Matrix - Neural Network

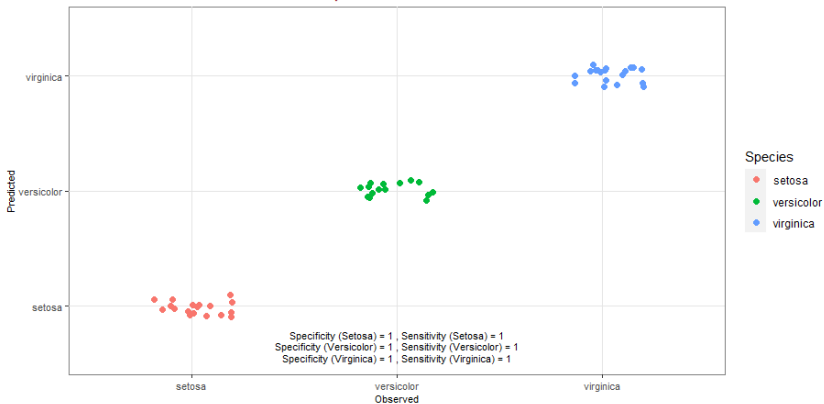
Predicted vs. Observed from Iris dataset. Accuracy:



Decision Tree: Confusion matrix

Confusion Matrix - Decision Tree

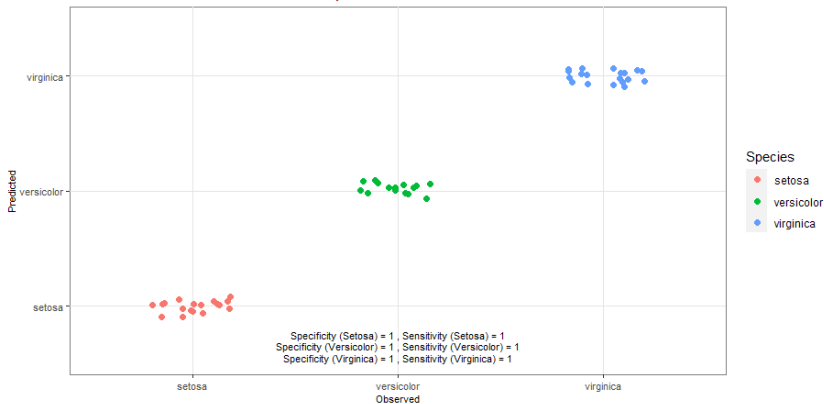
Predicted vs. Observed from Iris dataset. Accuracy: 1



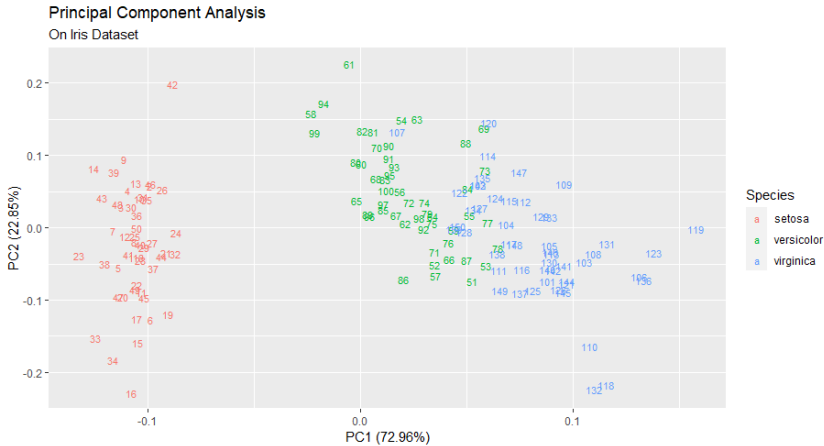
XGBoost: Confusion matrix

Confusion Matrix - XGBoost

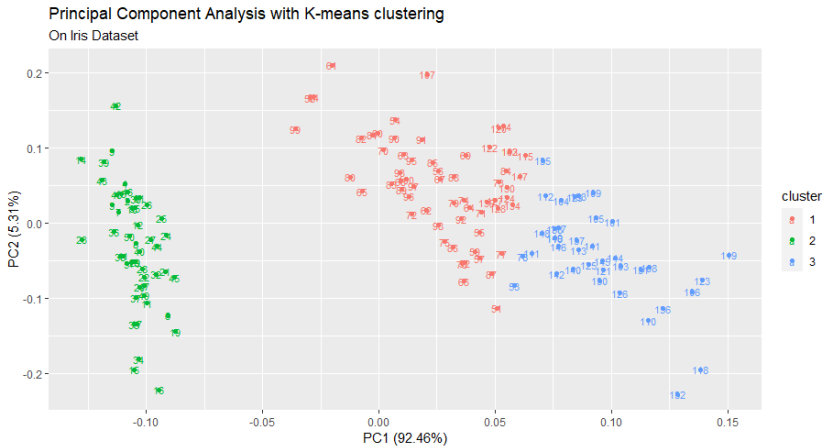
Predicted vs. Observed from Iris dataset. Accuracy: 1



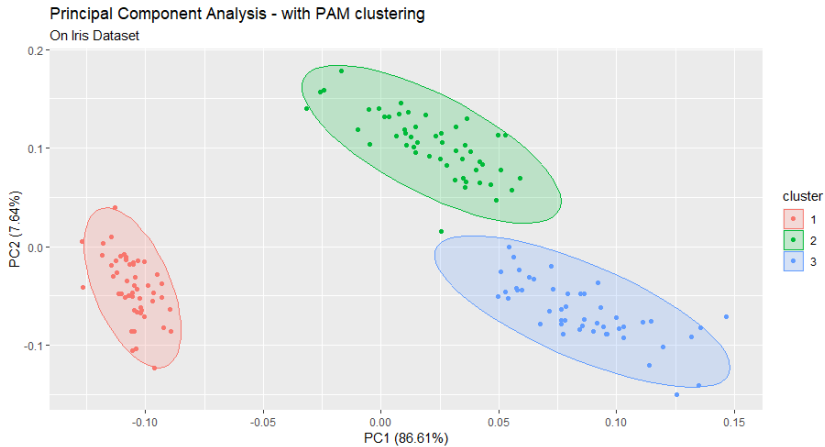
Principal Component Analysis



K-means



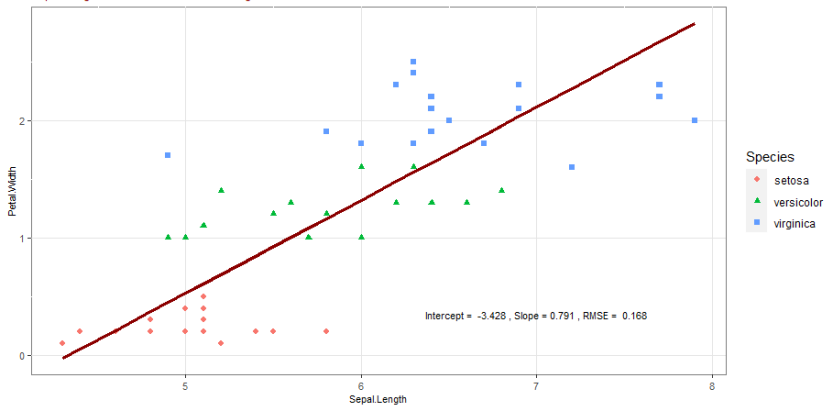
Partitioning Around Medoids



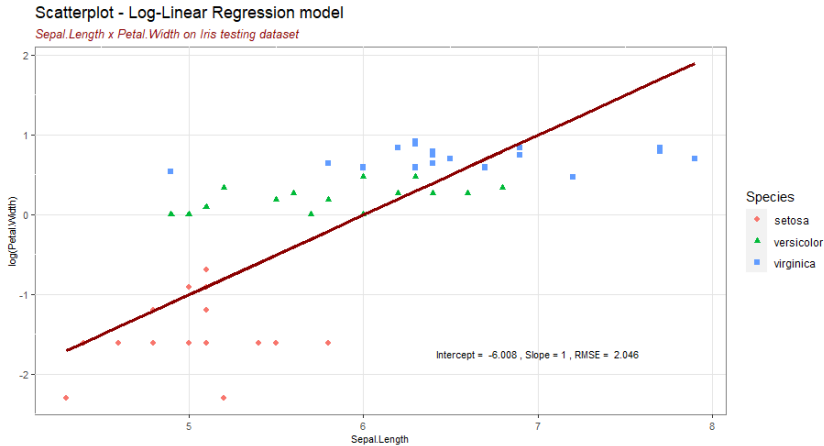
Simple Linear Regression

Scatterplot - Linear Regression model

Sepal.Length x Petal.Width on Iris testing dataset



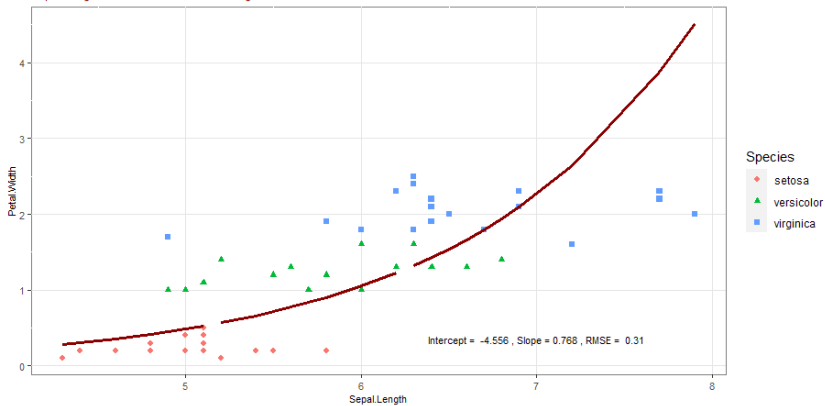
Simple Log-Linear Regression



Poisson Regression

Scatterplot - Poisson Regression model

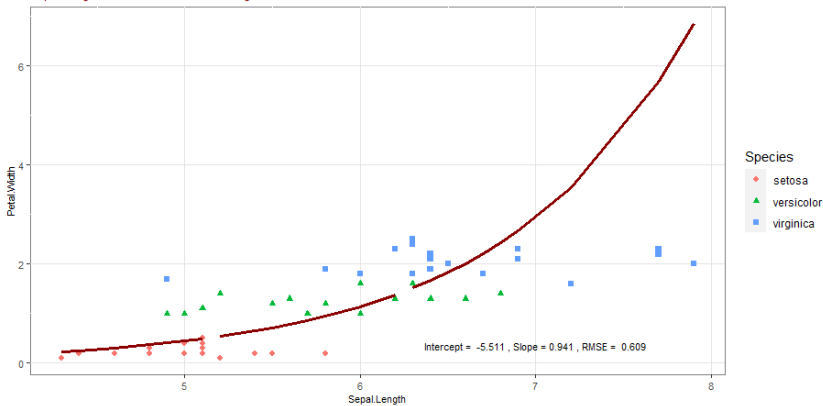
Sepal.Length x Petal.Width on Iris testing dataset



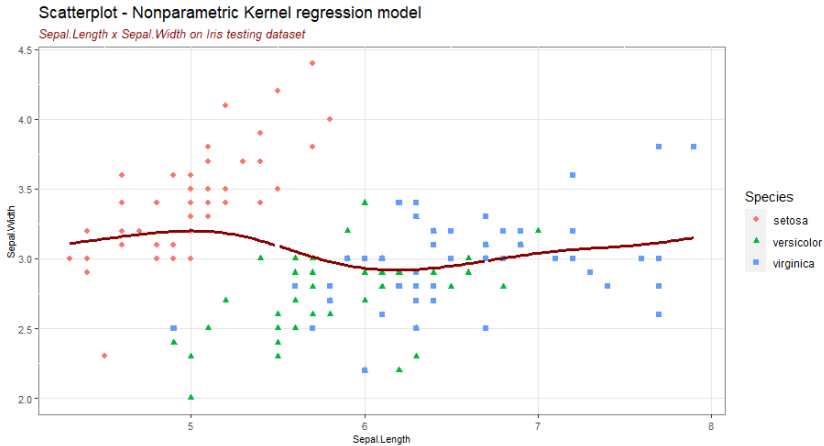
Gamma Regression

Scatterplot - Gamma Regression model

Sepal.Length x Petal.Width on Iris testing dataset



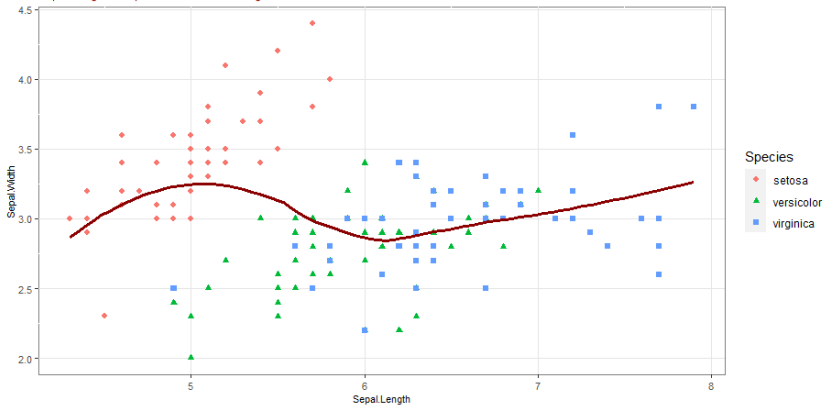
Nonparametric Kernel Regression



Nonparametric Smoothing Splines Regression

Scatterplot - Nonparametric Smoothing Splines regression model

Sepal.Length x Sepal.Width on Iris testing dataset



References

The R Project for Statistical Computing:
<https://www.r-project.org/>