

Module 12: Classification of K-Nearest Neighbours

Glossary

Accuracy

The ratio of correctly predicted observations to total observations

Confusion Matrix

A table that is often used to describe the performance of a classification model

Decision Boundary

A boundary that separates the data points into specific classes where the algorithm switches from one class to the next

F1

The weighted average of both precision and recall

K-Nearest Neighbors

An approach to data classification that estimates how likely a data point is to be a member of one group or another depending on which group the data points nearest to it are in

Precision

The proportion of accurately predicted positive observations in relation to the total predicted positive observations

Recall

The proportion of correctly predicted positive observations in relation to all of the observations in an actual class

ROC Curve

A graphical plot used to show the diagnostic ability of binary classifiers