

Module 16: Support Vector Machines (SVMs)

Glossary

Hyperplane

A flat subspace with dimension $p - 1$, given a p -dimensional space

Kernel Trick

A computational technique for enlarging the feature space

Margin

The distance between a hyperplane and the closest data point

Maximum Margin Classifier

A hyperplane whose margin is maximized

Support Vectors

Data points that are closer to the hyperplane and influence the position and orientation of the hyperplane