

Lesson 6:
Support Vector Machines

SEARCH

RESOURCES

CONCEPTS

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Glossary

Key Term	Definition
C	Also referred to as the C hyper-parameter - determines how willing to be with the points that fall on the wrong side of our boundary. Large C is mostly the classification error. Small C i error.
Classification error	An error in prediction caused by a false negative response or response.
Error function	Classification error + margin error. Used to minimize SVG
Gamma	A hyperparameter that we tune during training to alter the ty from wide ones to very narrow.
Kernal Trick	A more efficient and less expensive way to transform data in dimensions, especially in the SVM algorithm
Marthin error	The distance between the 2 boundary lines and prediction lir minimize gradient descent
Ploynomial Kernel	A kernel function commonly used with SVM that allows learn models.
RBF	Radial Basis Functions are used in machine learning to find a classifier or regression lines, especially in SVM.

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