

SUPPORT VECTOR MACHINES

cost

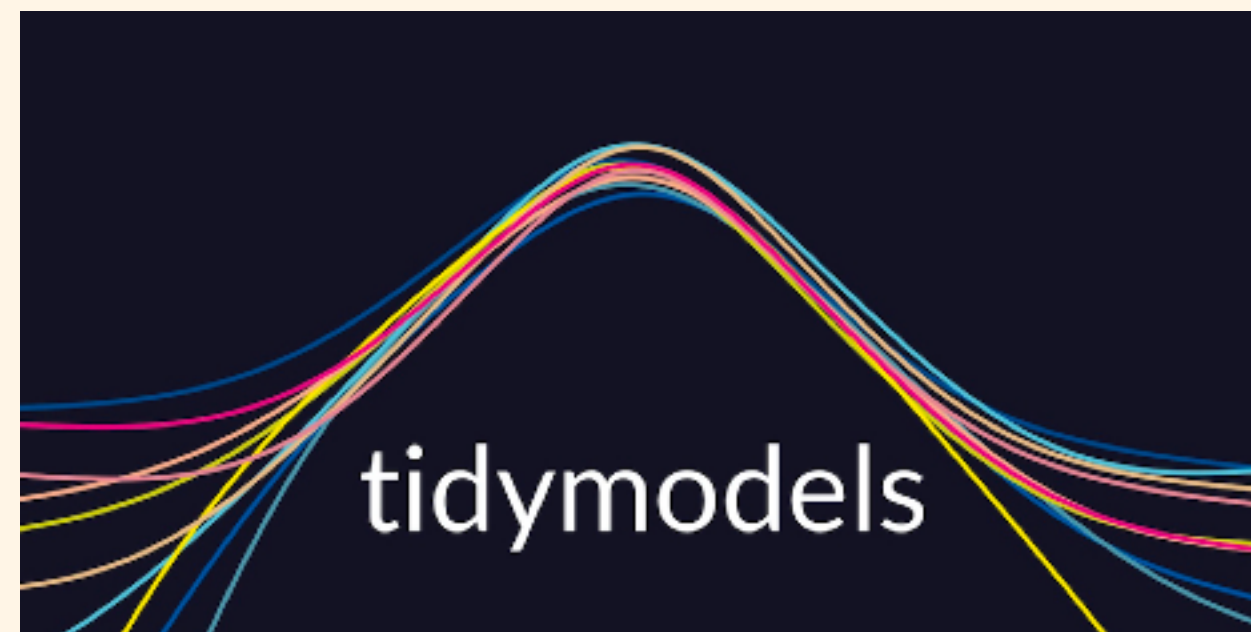
A positive number for the cost of predicting a sample within or on the wrong side of the margin

C : float, default=1.0

Regularization parameter. The strength of the regularization is inversely proportional to C. Must be strictly positive. The penalty is a squared l2 penalty.

CONSEQUENCES OF “FALSE FRIENDS”

DIFFERENT PARADIGM OF MODEL GOALS



“SVM has a penalty for having too many observations in the margin or misclassified.”



“SVM has a parameter that balances margin width and number of observations in the margin.”