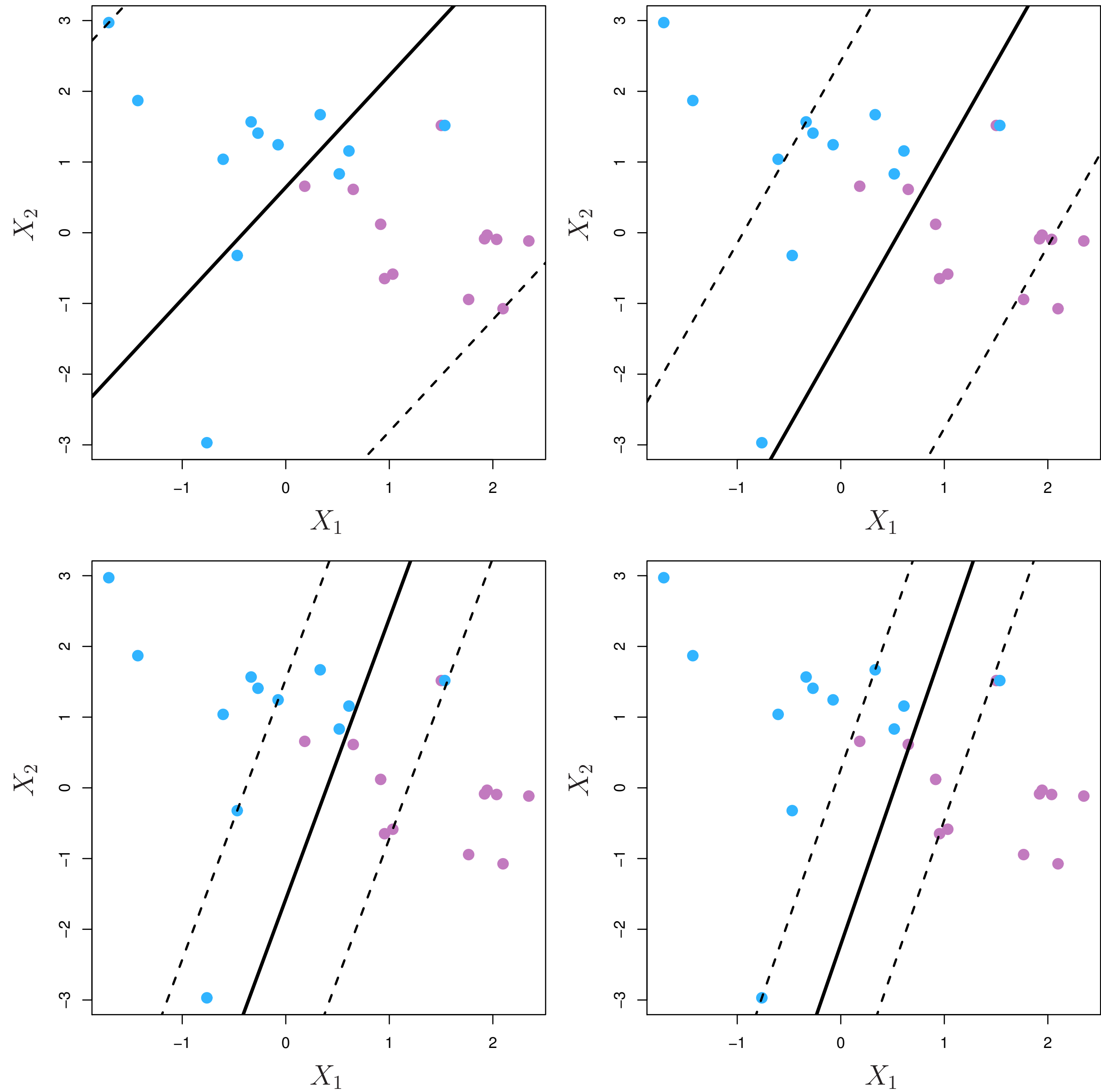


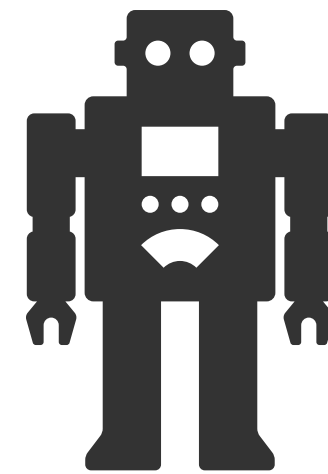
# Support Vector Classifier

C: penalty on error

	Regularization	Margins	Bias/Variance
Small C	more	wider	prone to underfitting
Large C	less	narrower	prone to overfitting



# Support Vector Machines



**Support Vector Machine (SVM)** use **Kernel Functions** to systematically find **Support Vector Classifiers** in higher dimensions