

Arif Emre Karaduman	Generative Models	Discriminative Models
Usage Area	unsupervised machine learning	supervised machine learning
Method	distribution of individual classes	decision boundary to separate classes
When To Use	new data points are needed	with outliers
Disadvantage	more data hungry to represent the distributions accurately	Could lead to misclassification problem
Examples	Naïve Bayes	Logistic regression
	Markov random fields	Nearest neighbor
	Autoregressive Model	Decision Trees and Random Forest