| 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 | ata hungry to represent the distributions acc | Could lead to misclassification problem |
| Examples | Naïve Bayes | Logistic regression |
| | Markov random fields | Nearest neighbor |
| | Autoregressive Model | Decision Trees and Random Forest |