

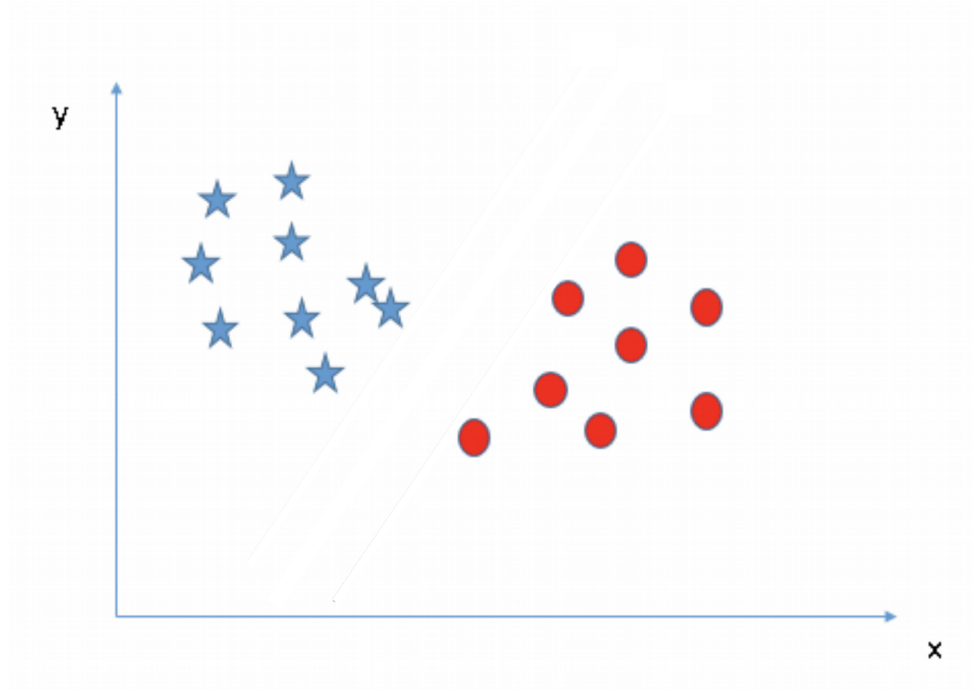
Support Vector Machines

Support Vector Machines

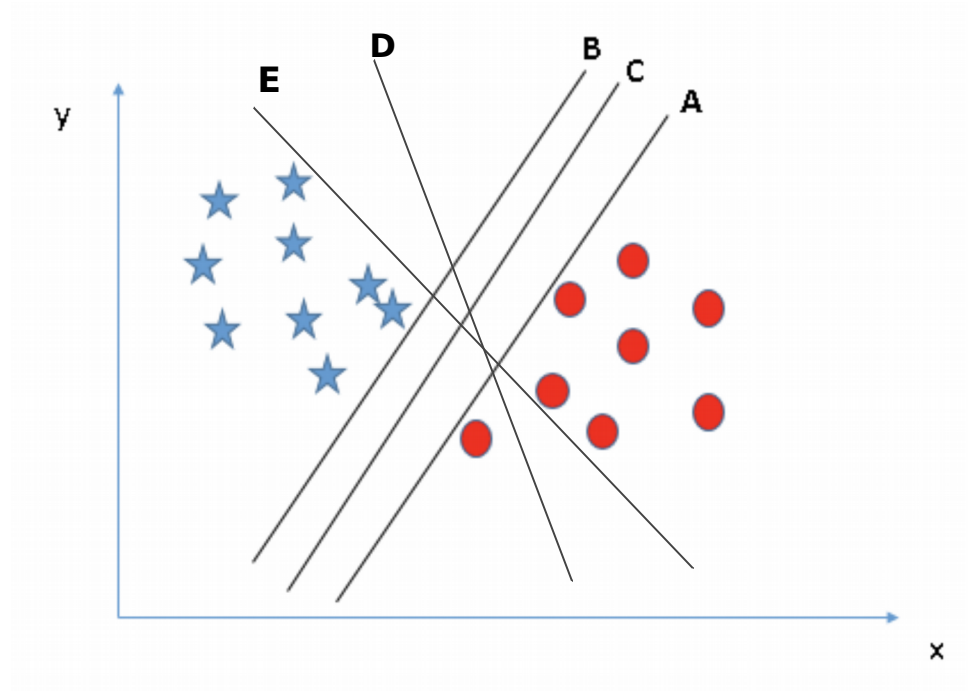
- Supervised Learning
- Handles both Classification (primarily) and Regression

Support Vector Machines

Support Vector Machines

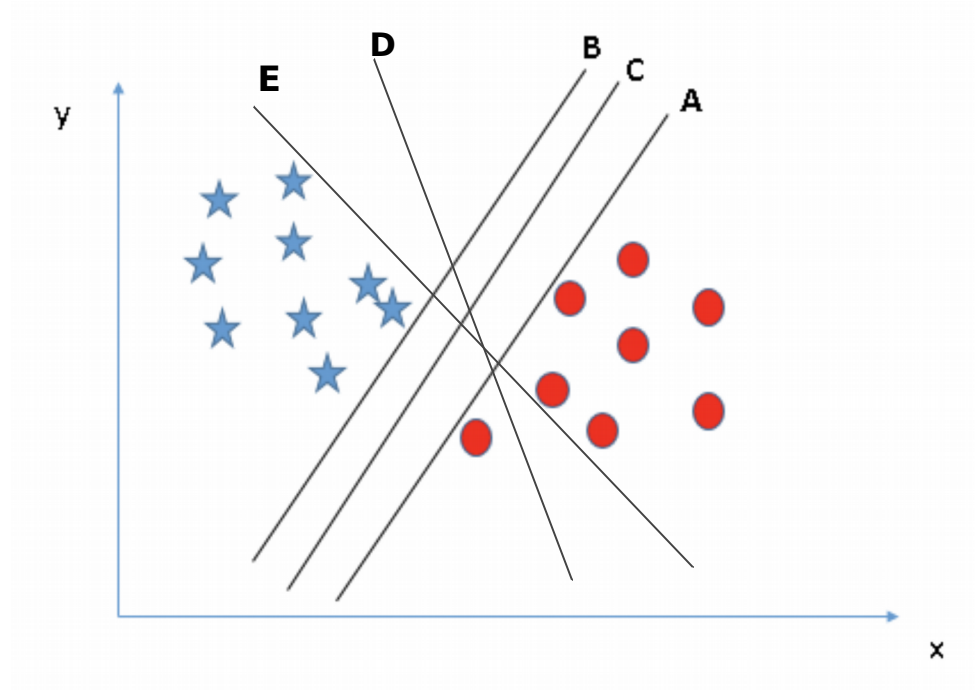


Support Vector Machines



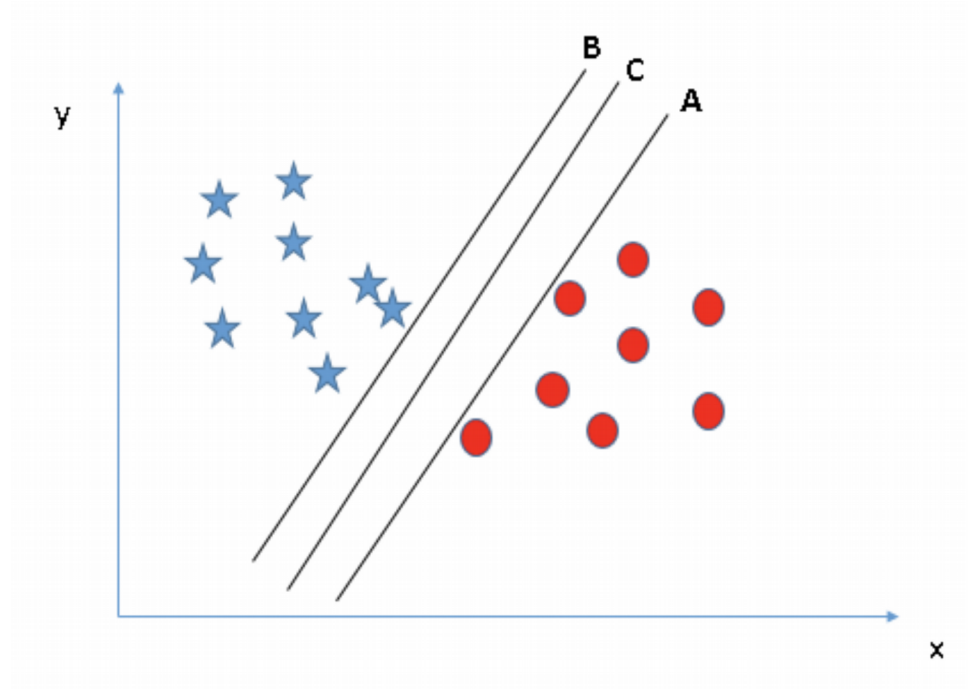
Support Vector Machines

- 100% classification



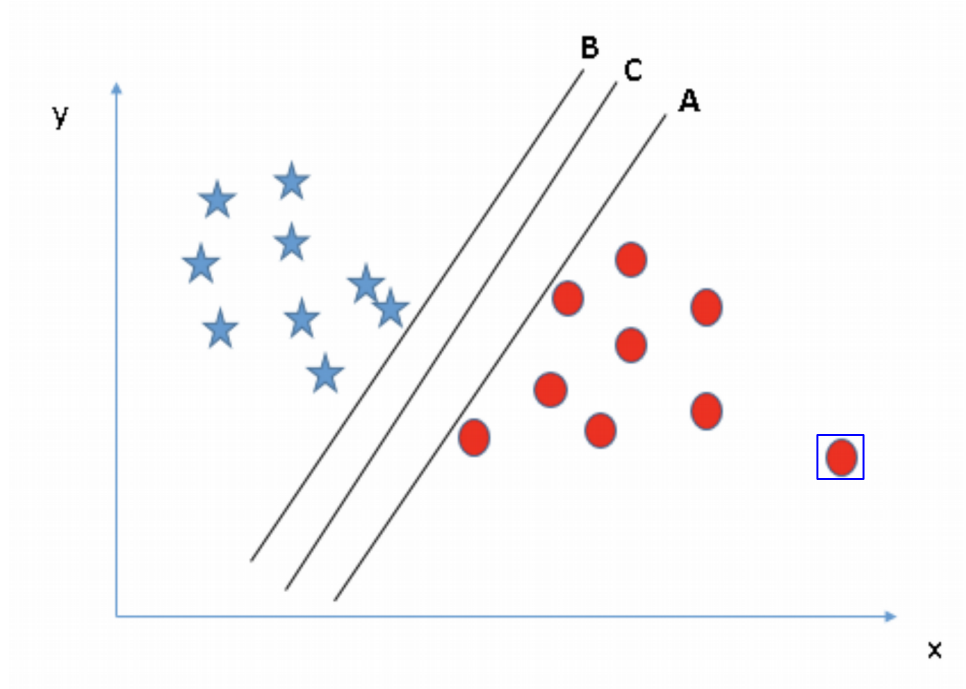
Support Vector Machines

- 100% classification
- Best Separation



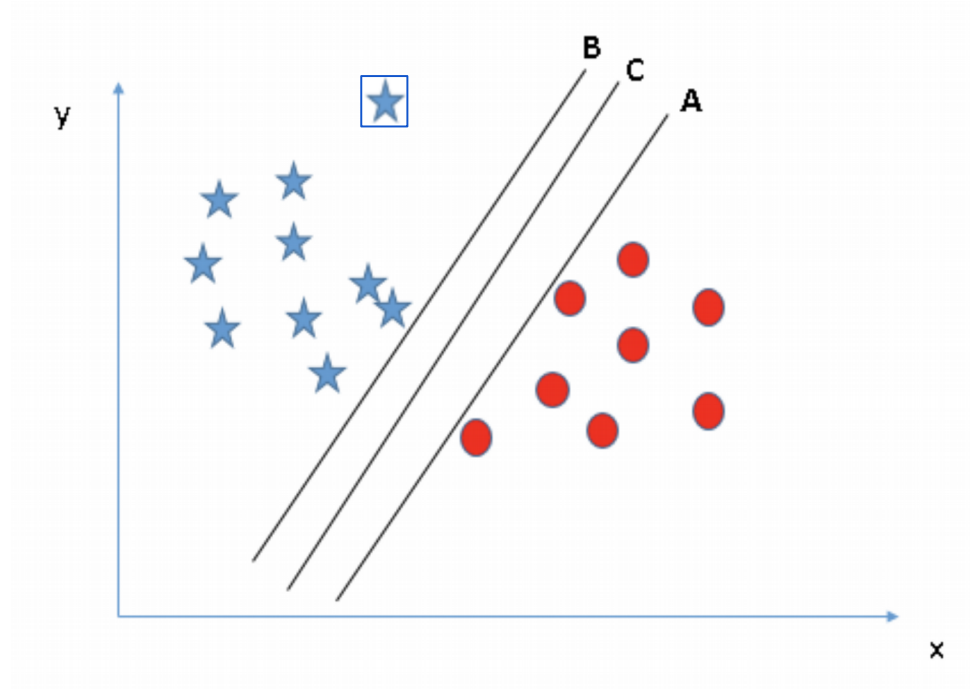
Support Vector Machines

- 100% classification
- Best Separation



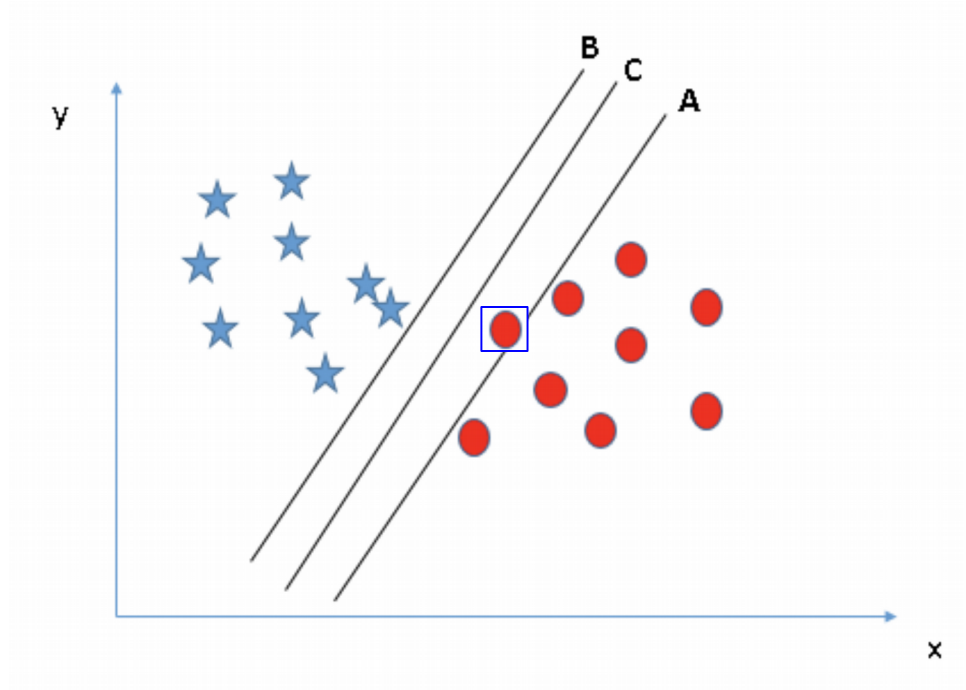
Support Vector Machines

- 100% classification
- Best Separation



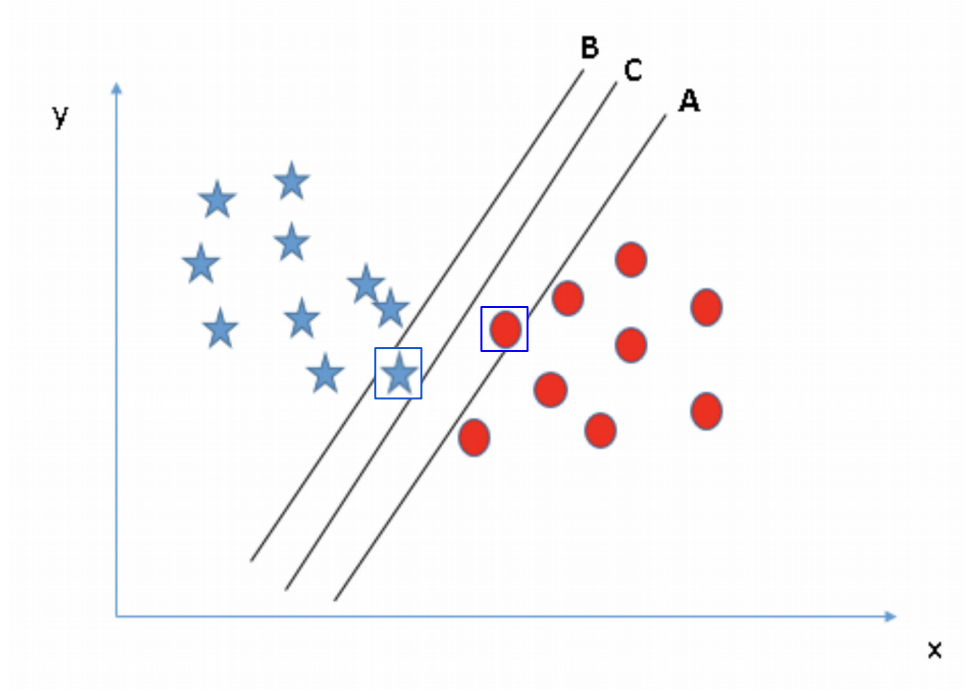
Support Vector Machines

- 100% classification
- Best Separation



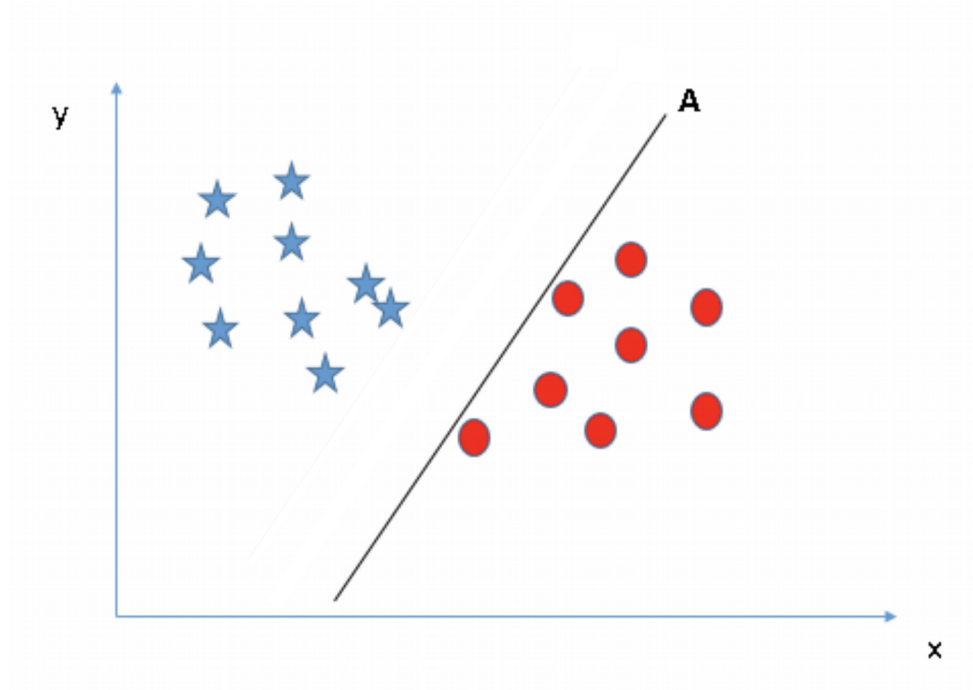
Support Vector Machines

- 100% classification
- Best Separation



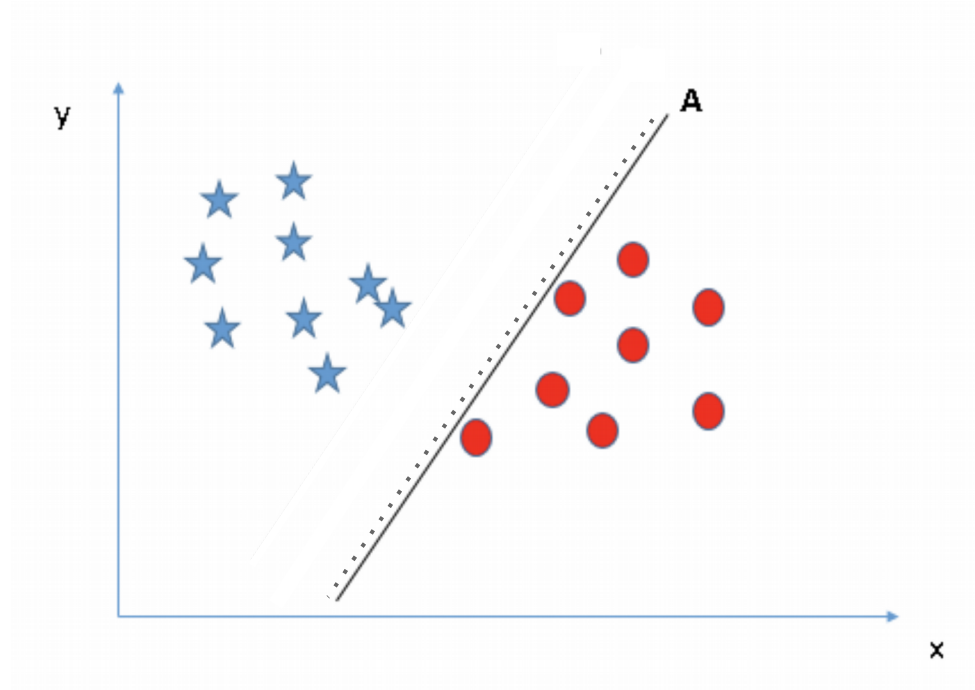
Support Vector Machines

- 100% classification
- Best Separation



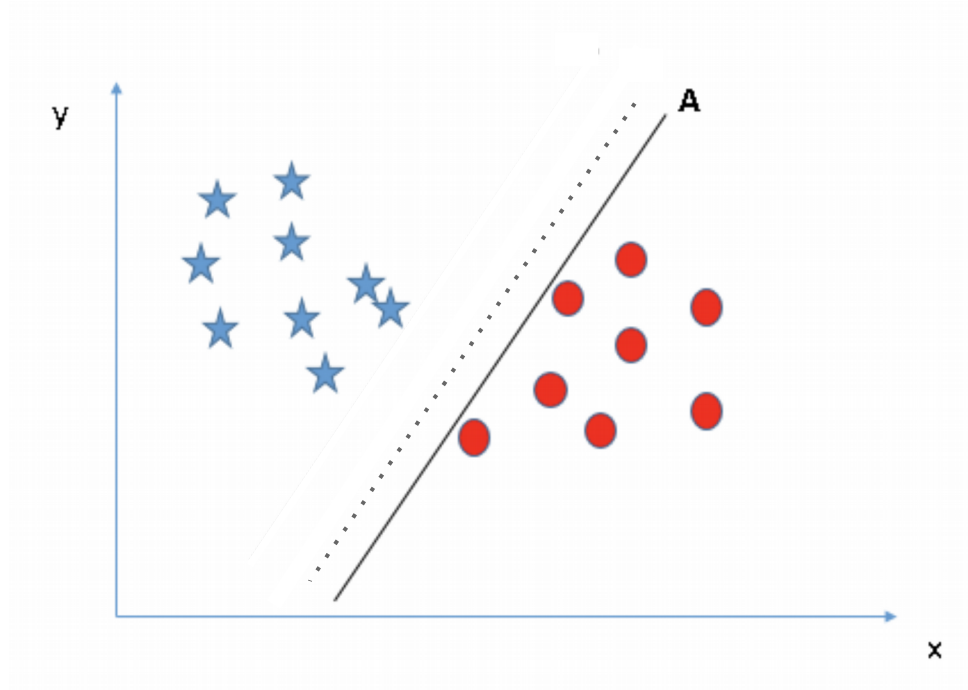
Support Vector Machines

- 100% classification
- Best Separation



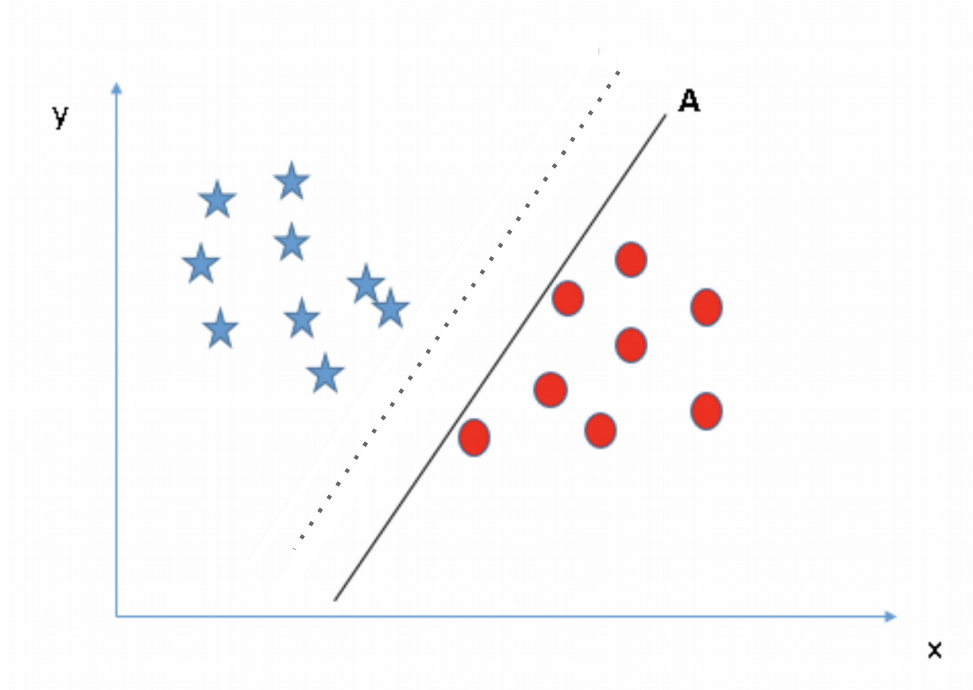
Support Vector Machines

- 100% classification
- Best Separation



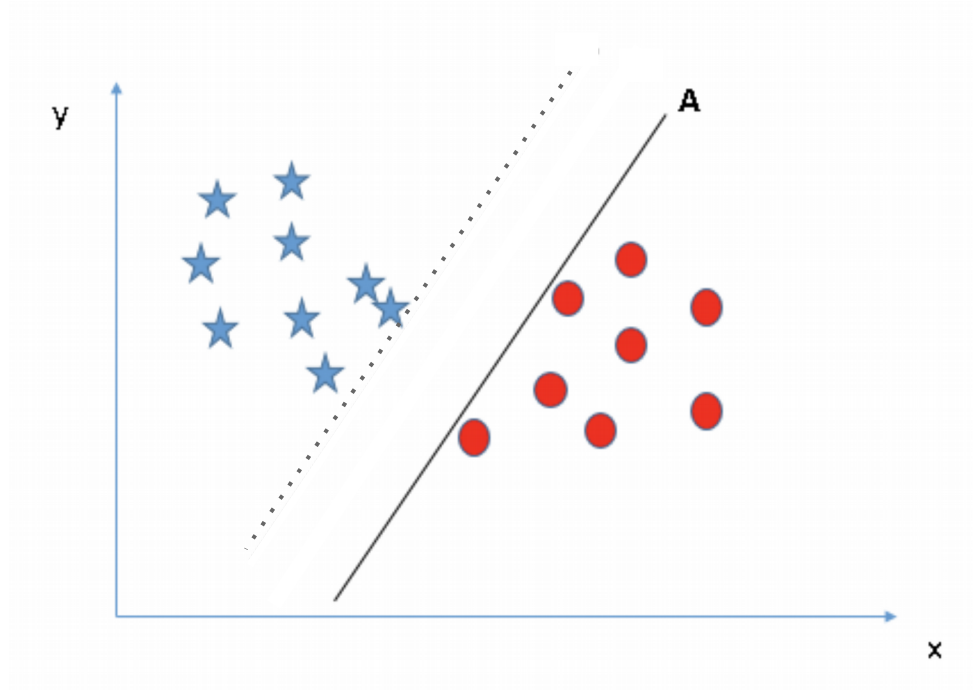
Support Vector Machines

- 100% classification
- Best Separation



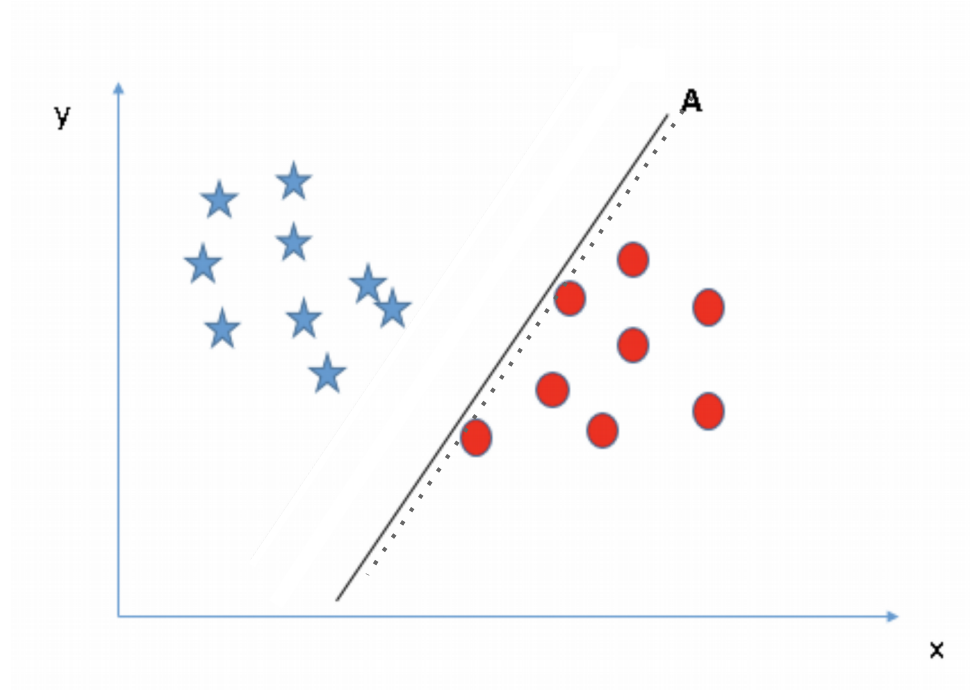
Support Vector Machines

- 100% classification
- Best Separation



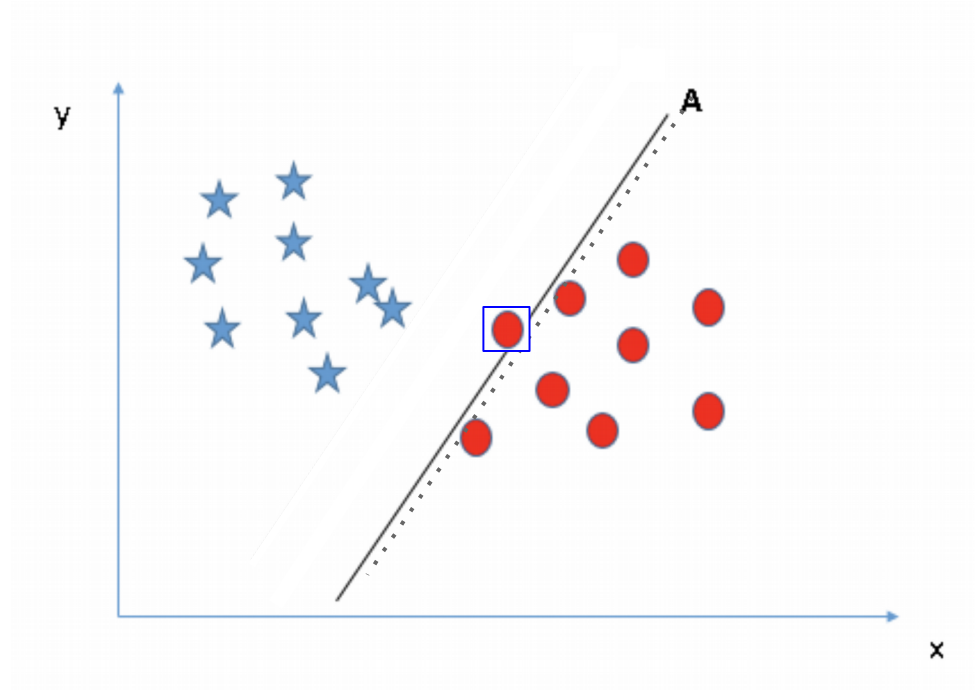
Support Vector Machines

- 100% classification
- Best Separation



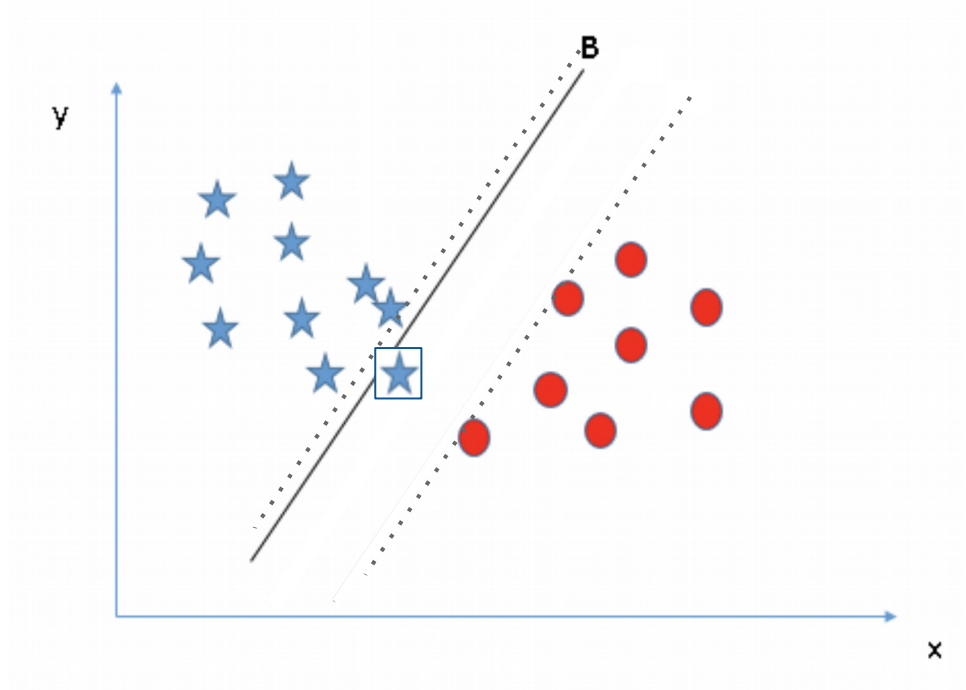
Support Vector Machines

- 100% classification
- Best Separation



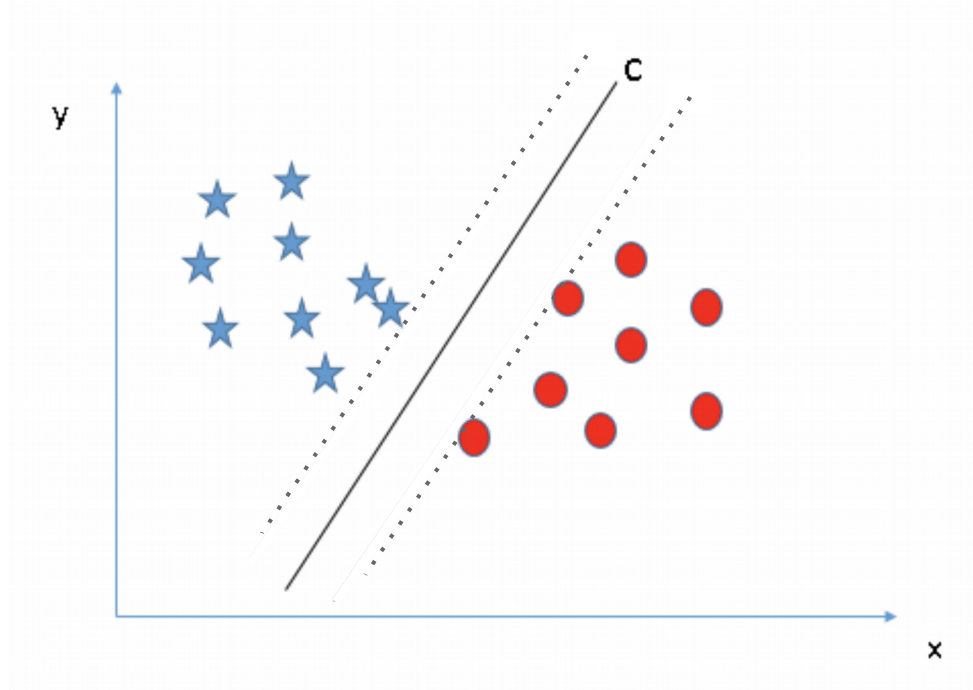
Support Vector Machines

- 100% classification
- Best Separation



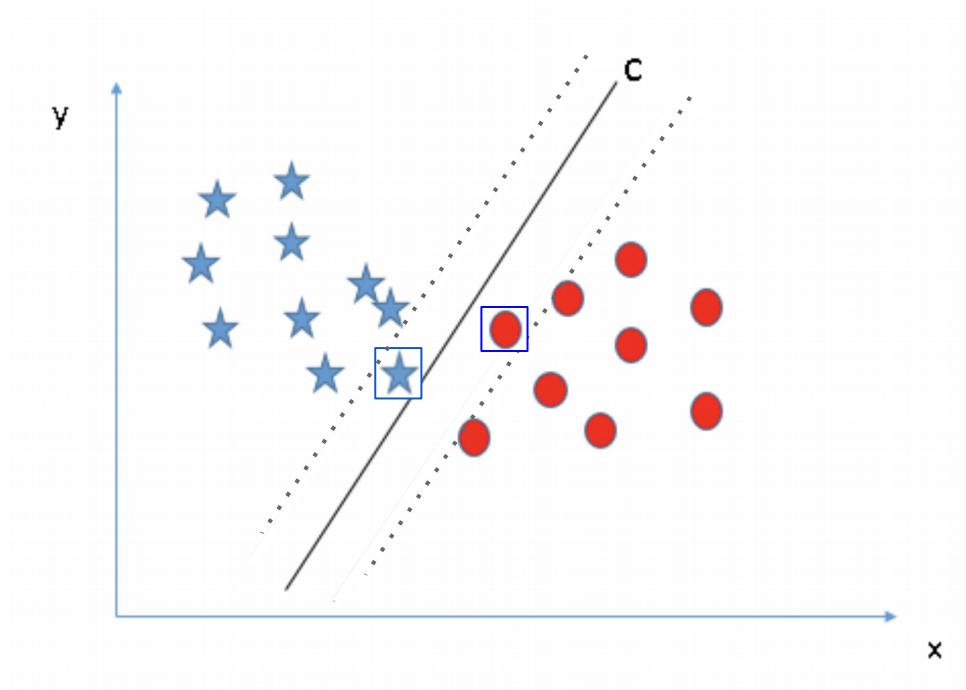
Support Vector Machines

- 100% classification
- Best Separation



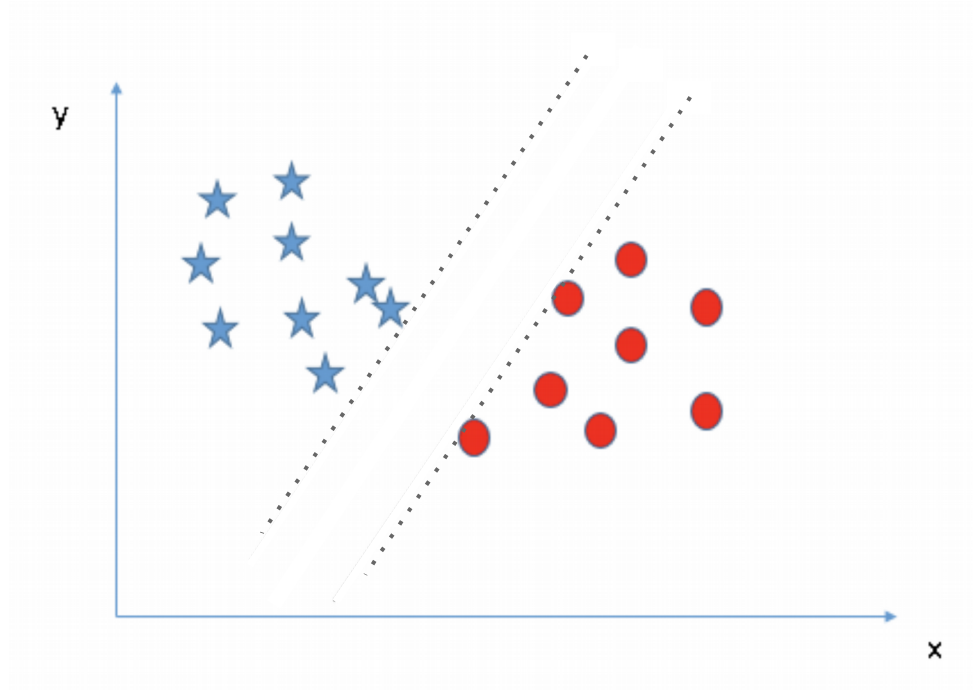
Support Vector Machines

- 100% classification
- Best Separation



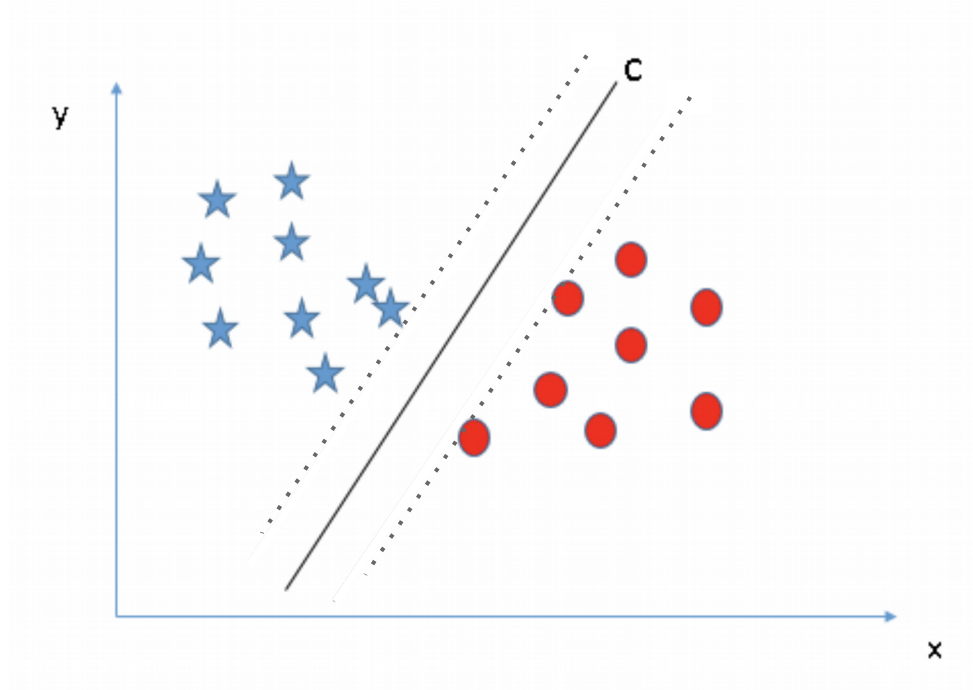
Support Vector Machines

- 100% classification
- Best Separation
- Maximum Margin



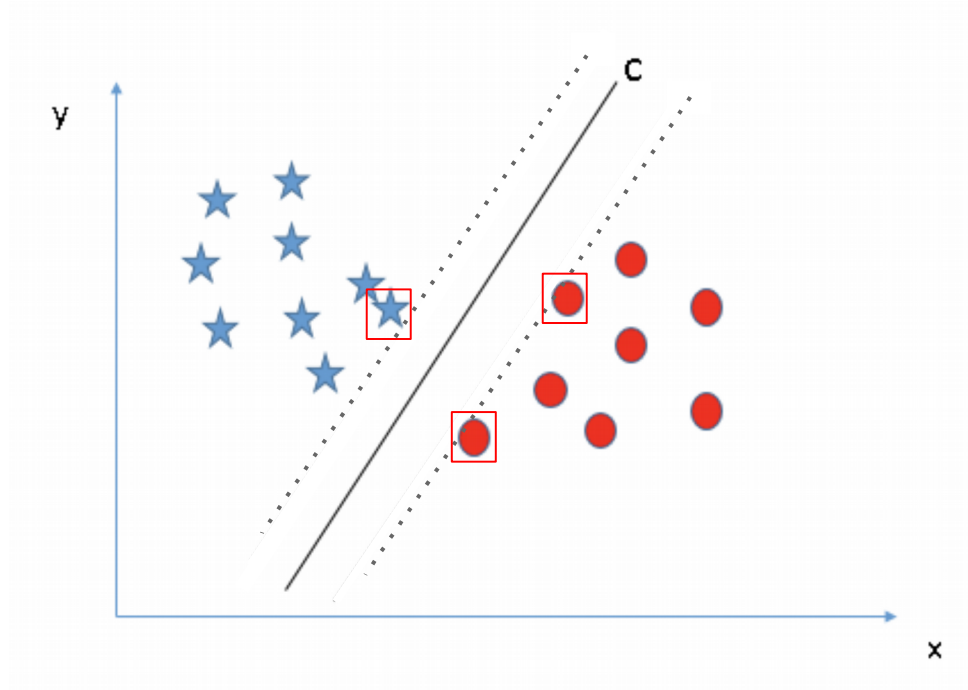
Support Vector Machines

- 100% classification
- Best Separation
- Maximum Margin



Support Vector Machines

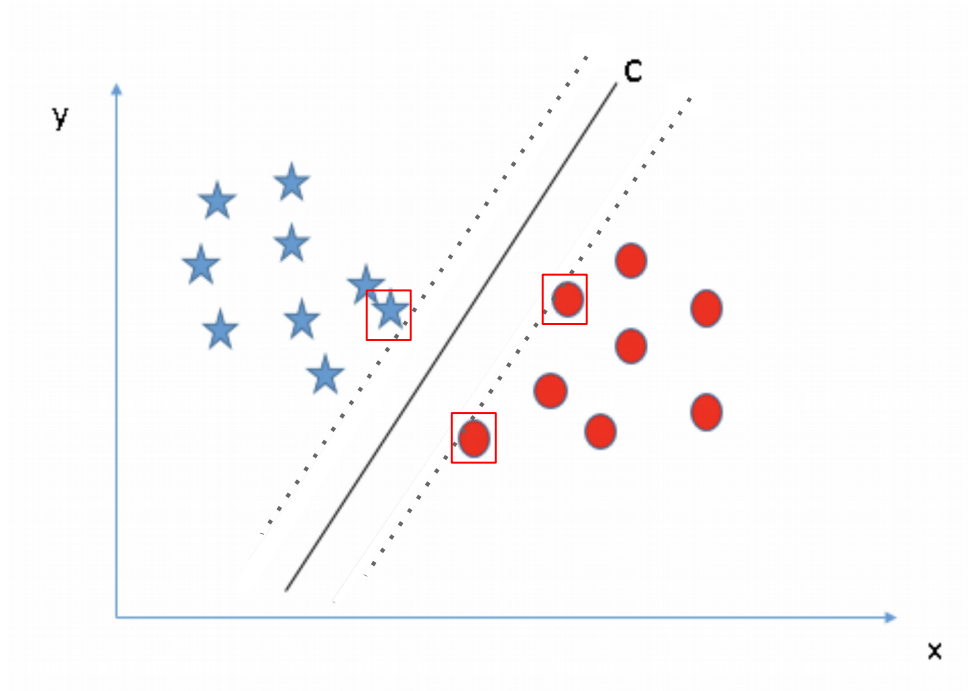
- 100% classification
- Best Separation
- Maximum Margin



Support Vector Machines

- 100% classification
- Best Separation
- Maximum Margin

Hard Margin
SVM



Support Vector Machines

- 100% classification
- Best Separation
- Maximum Margin



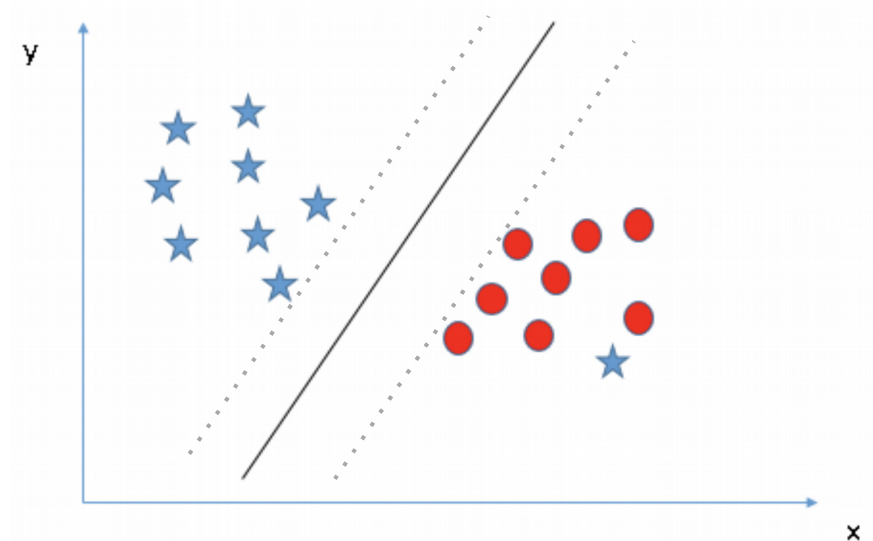
Support Vector Machines

- Maximum Classification
- Best Separation
- Maximum Margin



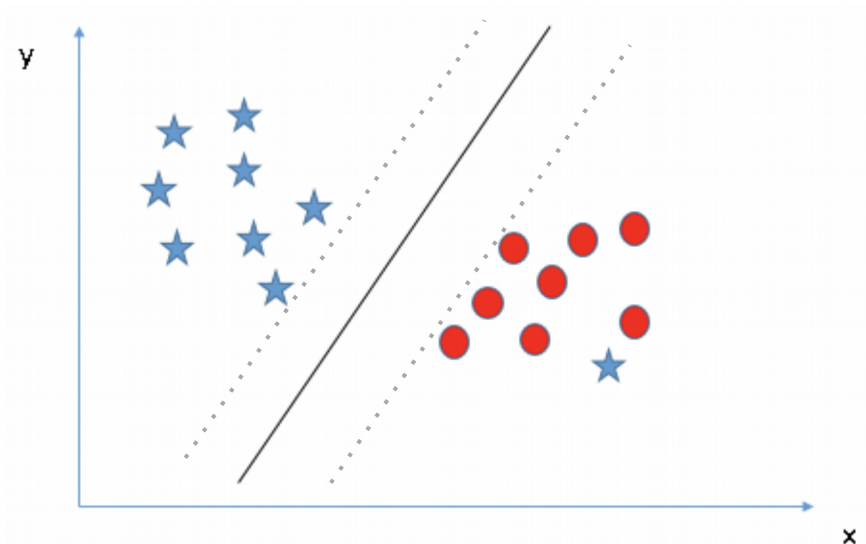
Support Vector Machines

- Maximum Classification
- Best Separation
- Maximum Margin



Support Vector Machines

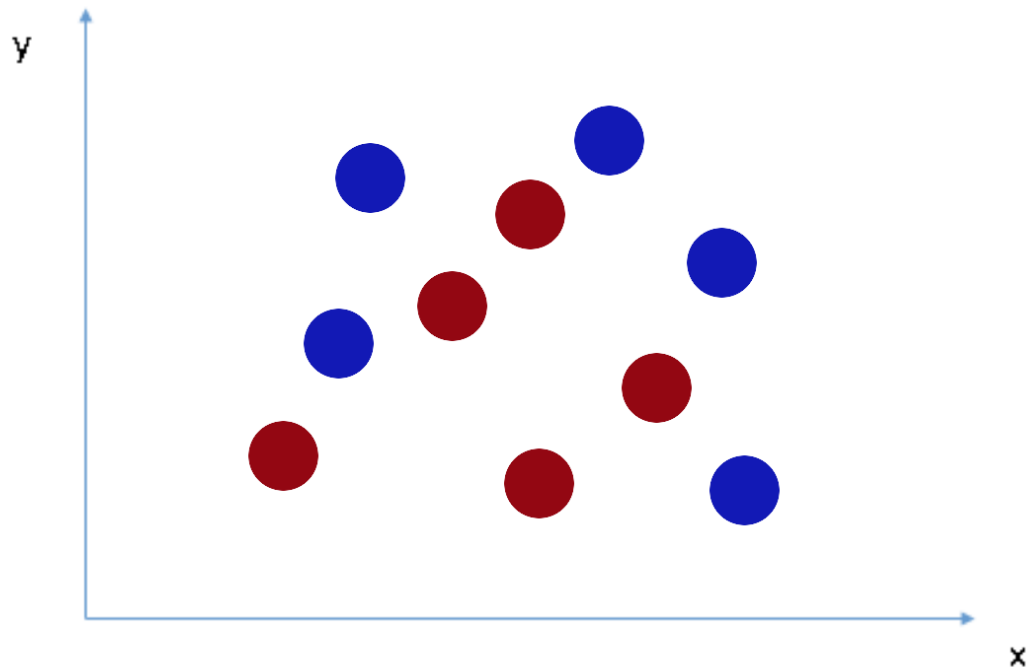
- Maximum Classification
- Best Separation
- Maximum Margin



Soft Margin
SVM

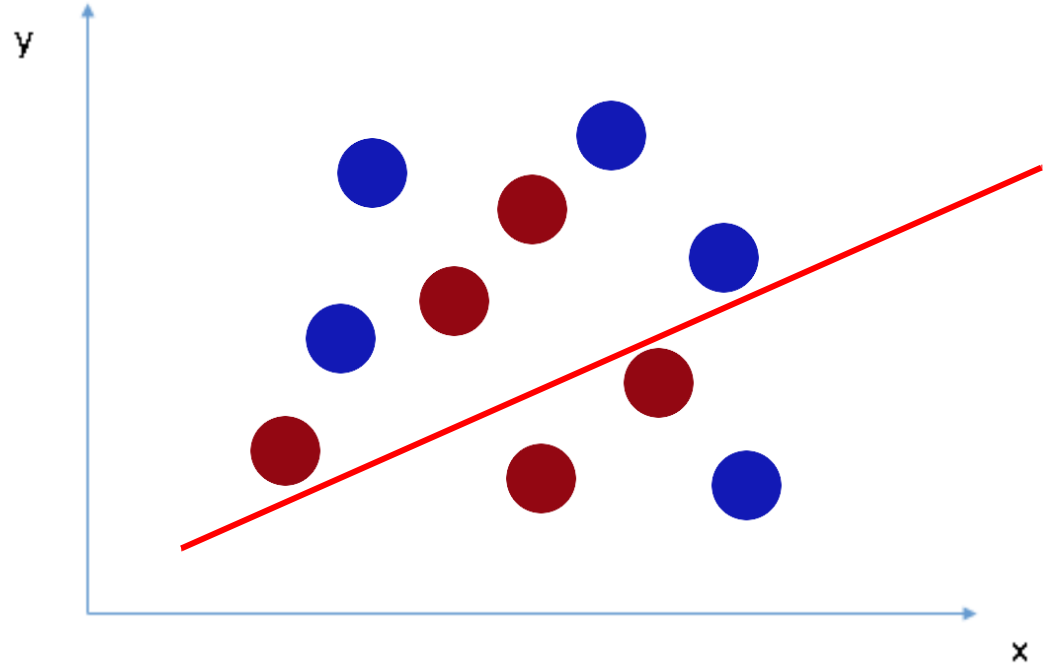
Support Vector Machines

- Maximum Classification
- Best Separation
- Maximum Margin



Support Vector Machines

- Maximum Classification
- Best Separation
- Maximum Margin



Support Vector Machines

