**Perceptron**

**Activation**:

**Error**:

**Adaline**

**Activation**:

**Cost**:

**Error**:

**Error (stochastic gradient decent)**:

**Logistic regression**

**Activation**:

**Cost**:

**Cost (L2 regularization)**:

**Error**:

**Support Vector Machine**

**Margin function (maximize ) :**

**Decision Tree**

**Entropy:**

**Gini:**

**Information gain:**

**K-Nearest Neighbors**

**Distance:**