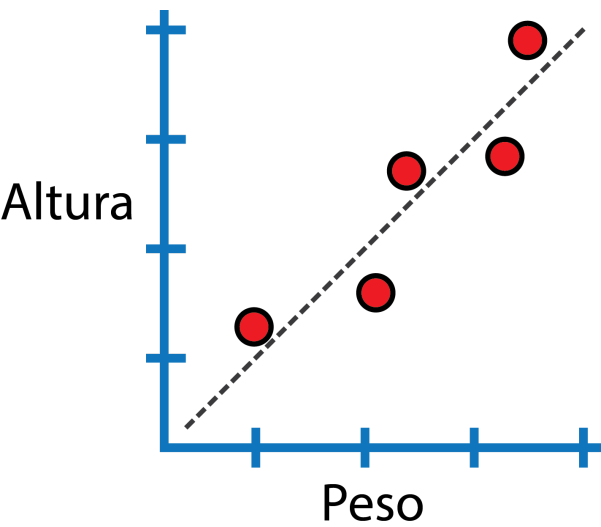


# MODELOS PREDITIVOS

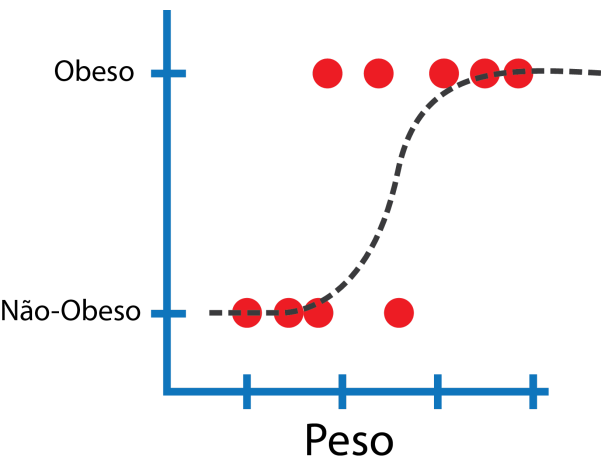
## 1. Linear Regression

Regressão Linear



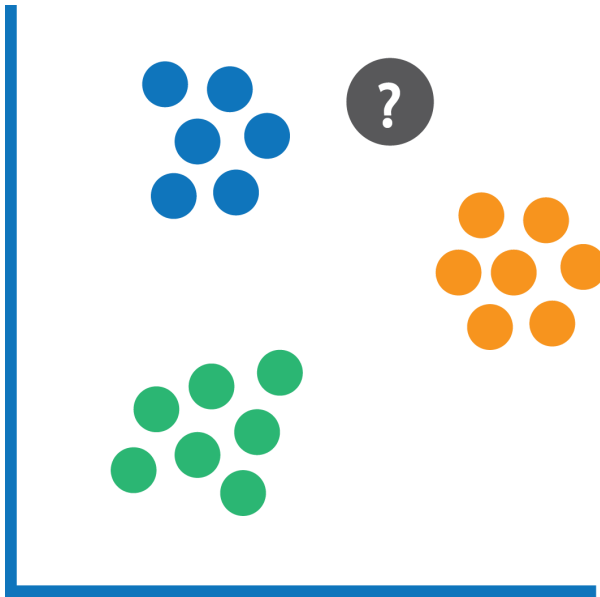
## 2. Logistic Regression

Regressão Lógica



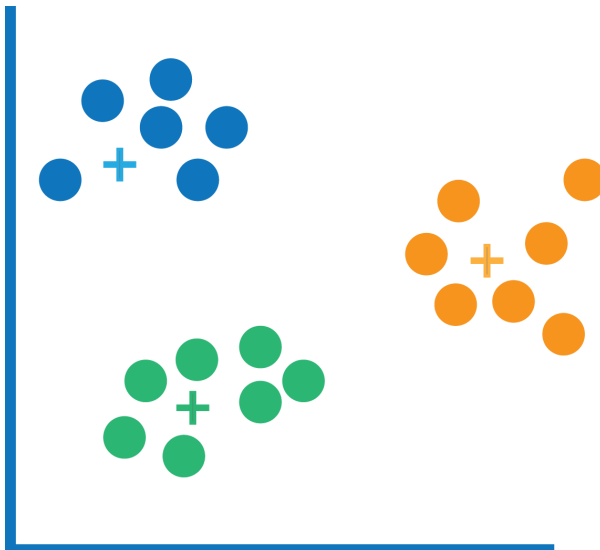
### 3. K-Nearest Neighbors (KNN)

K de vizinhos mais próximos



### 4. K-Means Clustering

K das médias de grupos



Quando temos 2 amostras, a distância euclidiana é:

$$\sqrt{x^2 + y^2}$$

Quando temos 3 amostras, a distância euclidiana é:

$$\sqrt{x^2 + y^2 + z^2}$$

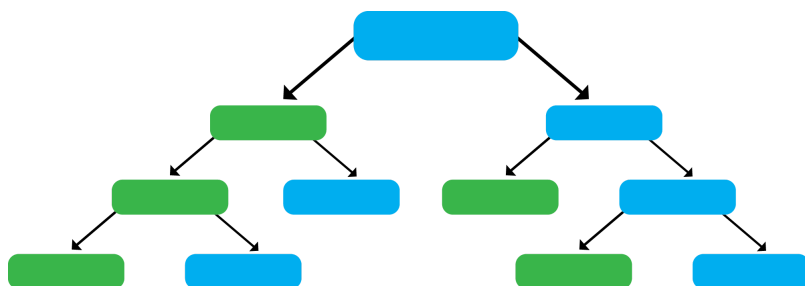
Quando temos 4 amostras, a distância euclidiana é:

$$\sqrt{x^2 + y^2 + z^2 + a^2}$$

E assim por diante...

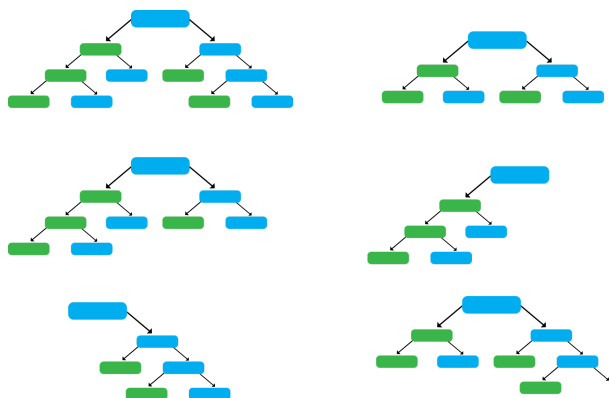
## 5. Decision Tree

Árvore de Decisão

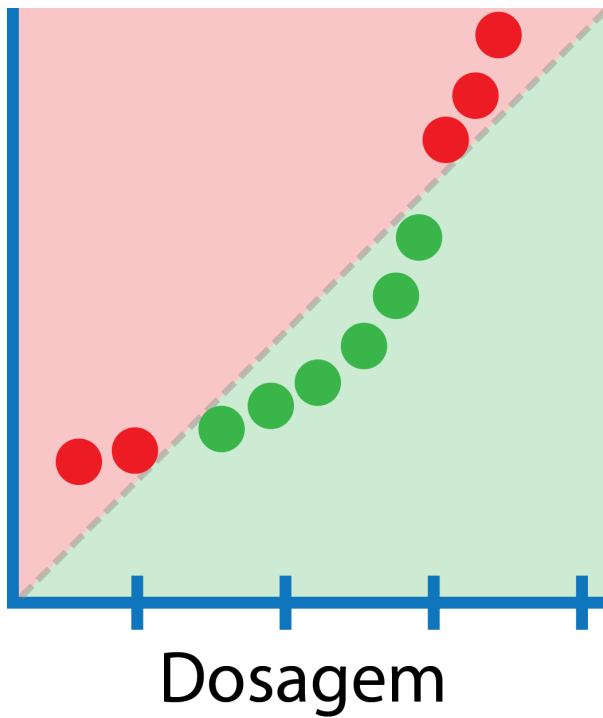


## 6. Random Forest

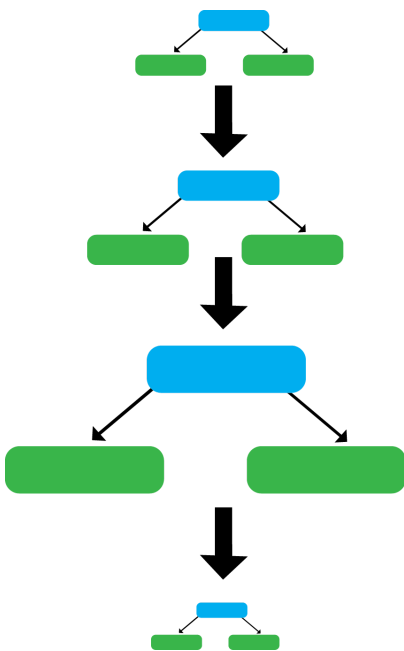
Floresta Aleatória



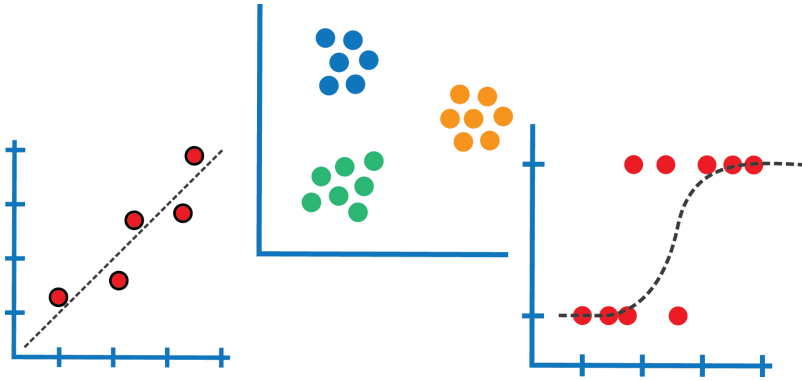
## 7. Support Vector Machines (SVM)



## 8. AdaBoost



## 9. Stochastic Gradient Descent



## 10. Gradient Boost

