

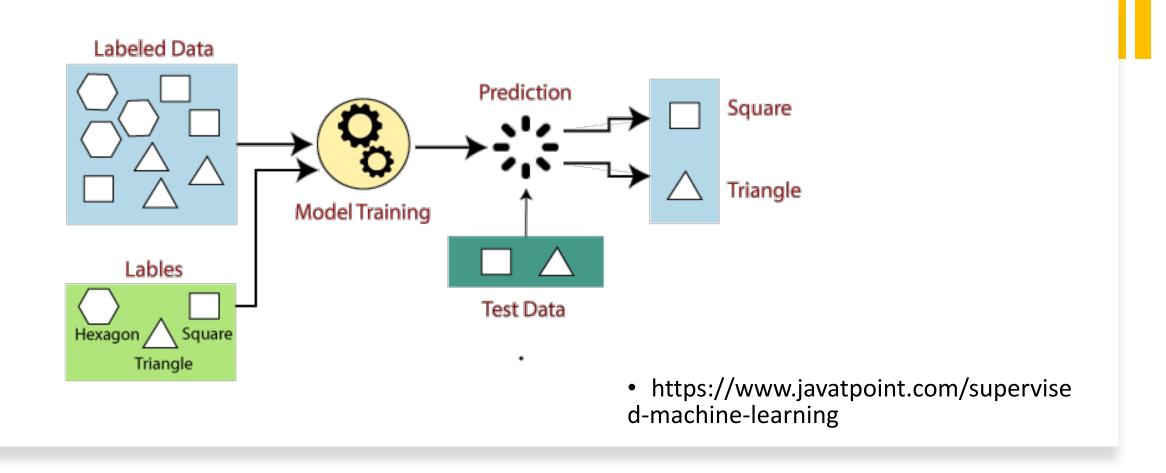
Objetivos de la sesión

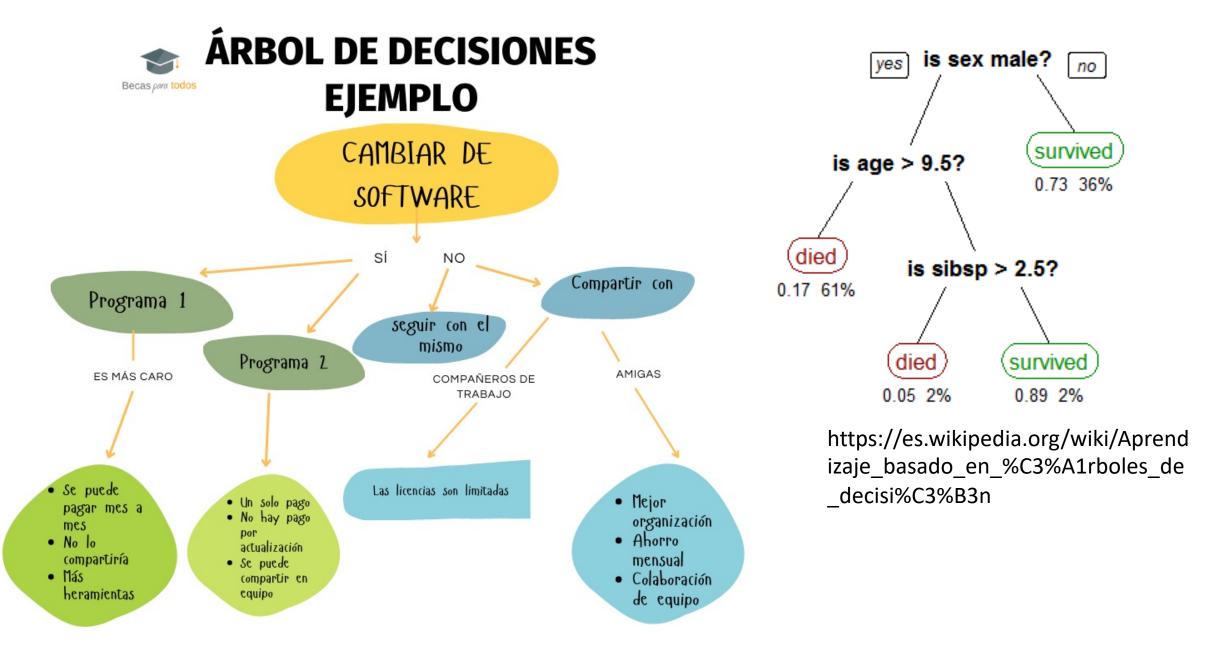
Propiciar que estudiantes y profesor se conozcan

Introducir técnicas de Machine Learning

Introducir conceptos básicos de ML Establecer las bases de los contenidos del curso

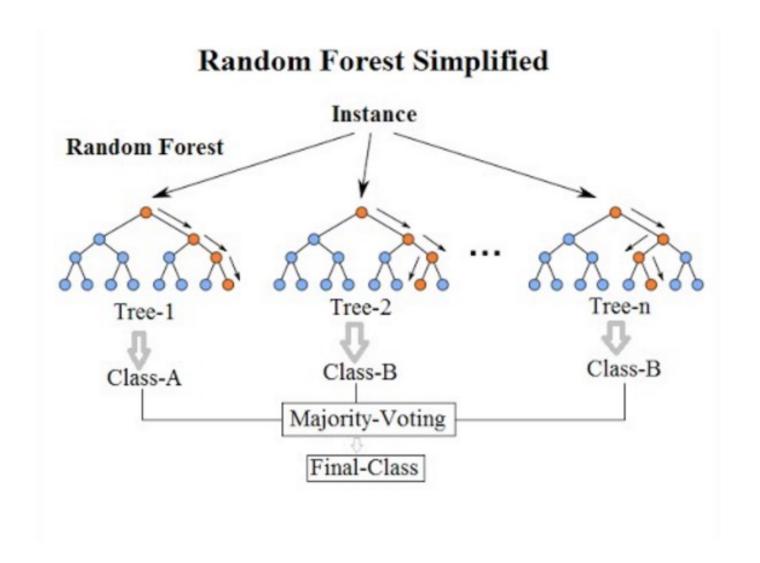
Modelos supervisados de clasificación



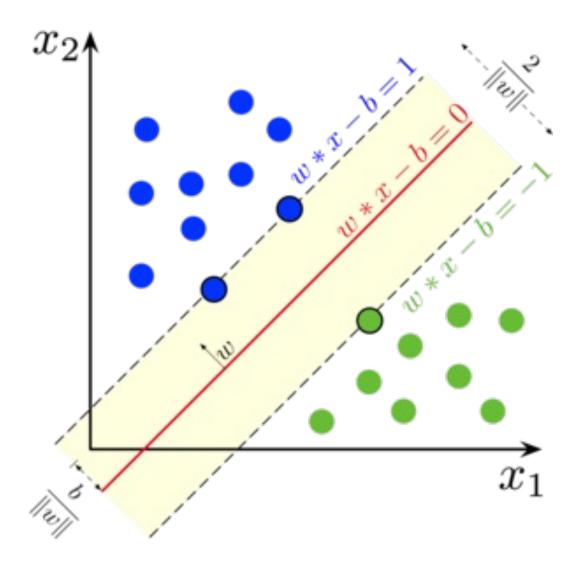


https://becasparatodos.com/arbol-de-decisiones/

Random Forest (y otros)

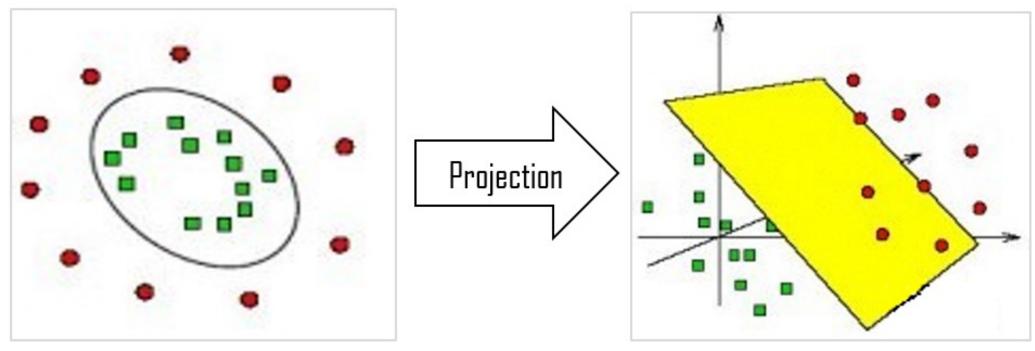


Support Vector Machine



https://encyclopedia.pub/entry/29353

Support Vector Machine

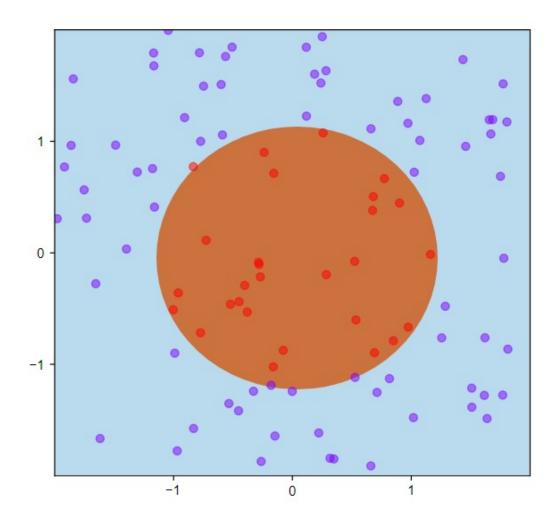


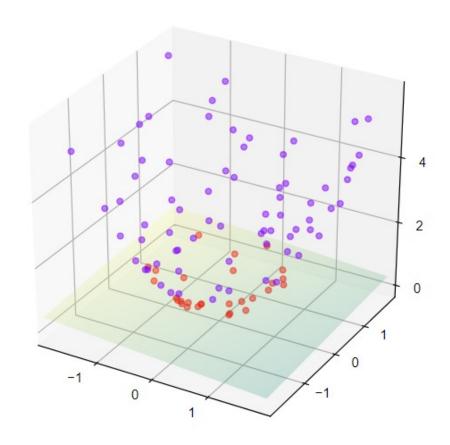
Complex segmentation in lowdimensional space

Easy segmentation in highdimensional space

https://forum.huawei.com/enterprise/en/machine-learning-algorithms-support-vector-machine-svm/thread/722247-895

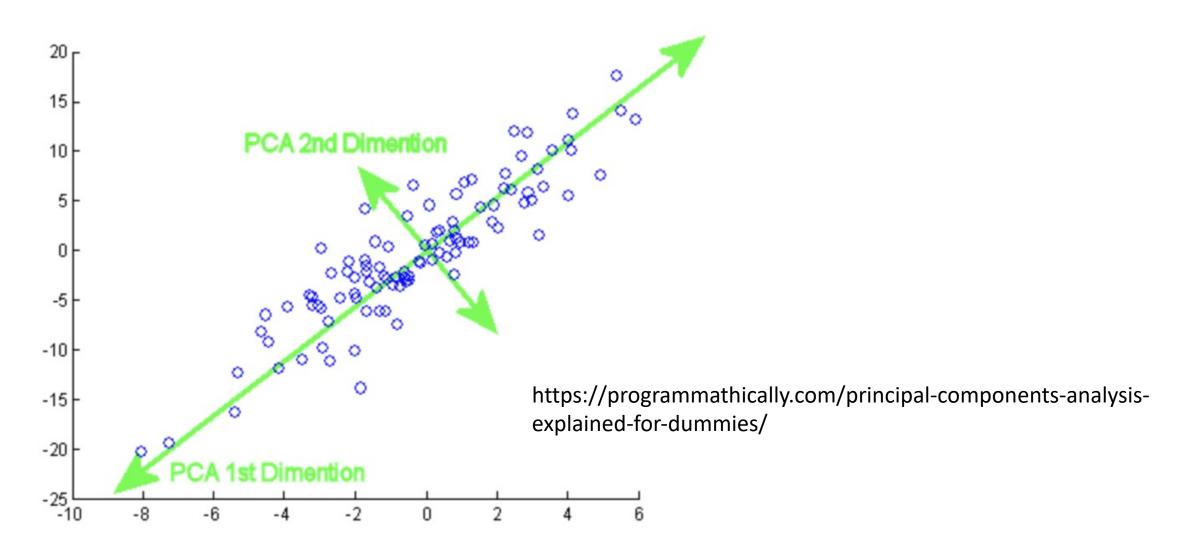
Kernel cuadrático



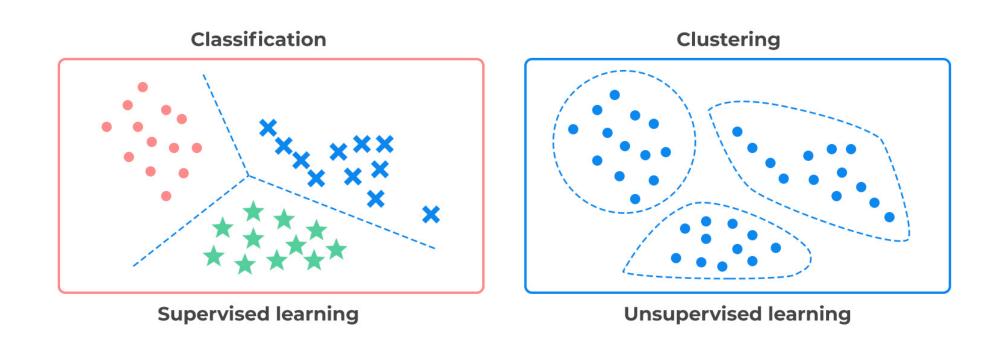


Reducción de dimensionalidad

Análisis de Componentes Principales

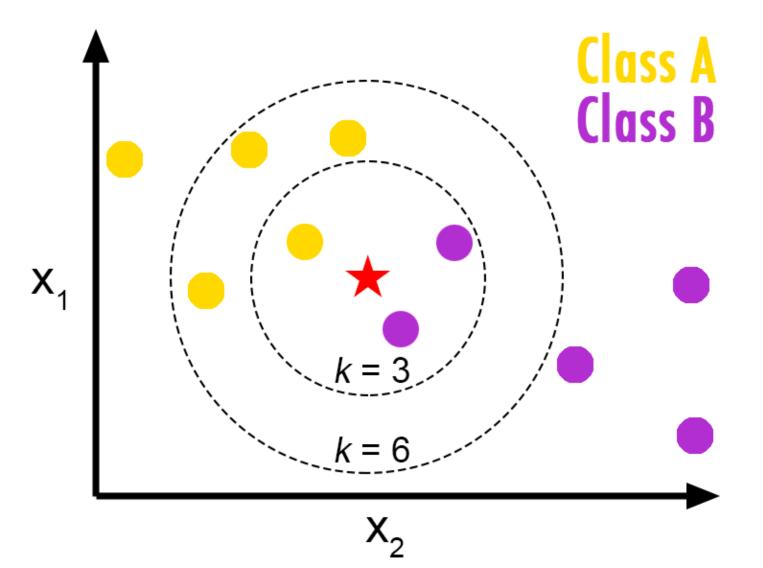


Modelos no supervisados



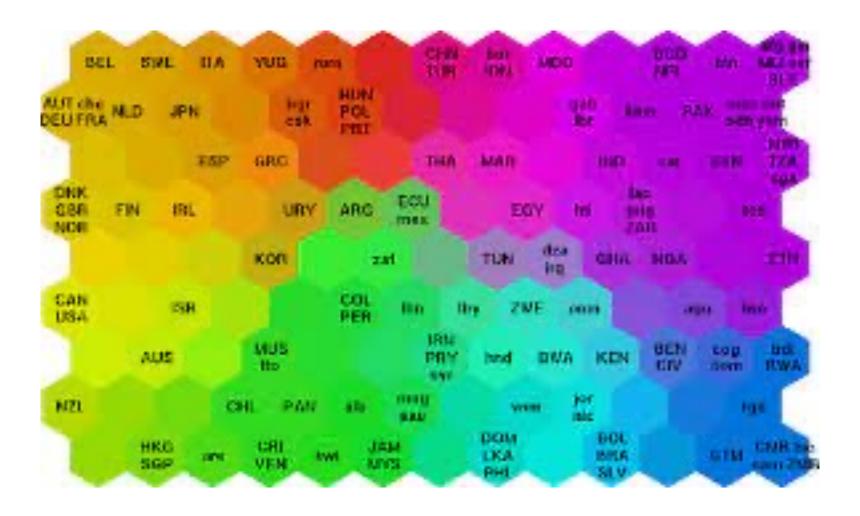
https://analystprep.com/study-notes/cfa-level-2/quantitative-method/supervised-machine-learning-unsupervised-machine-learning-deep-learning/

K-Nearest Neighbors

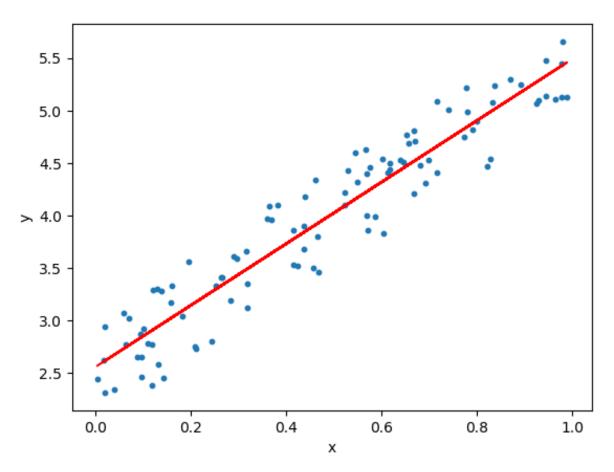


https://pythondiario.com/2018/01/introduccion-al-machine-learning-9-k.html

Self Organizing Maps

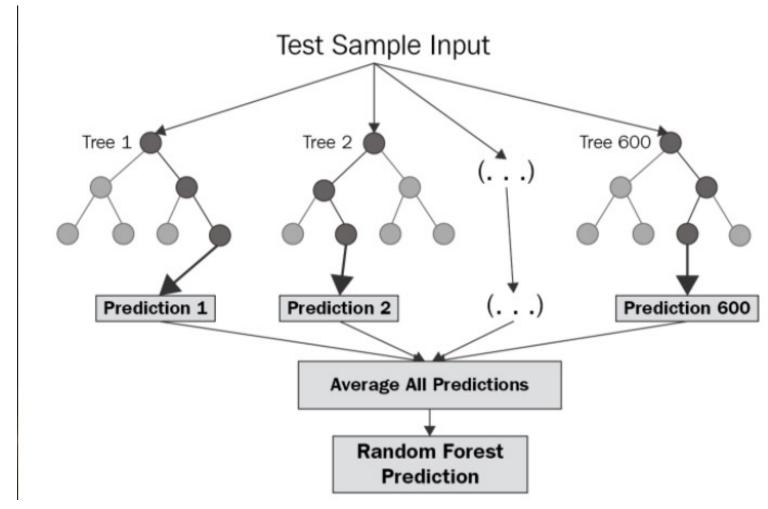


Regresión Lineal



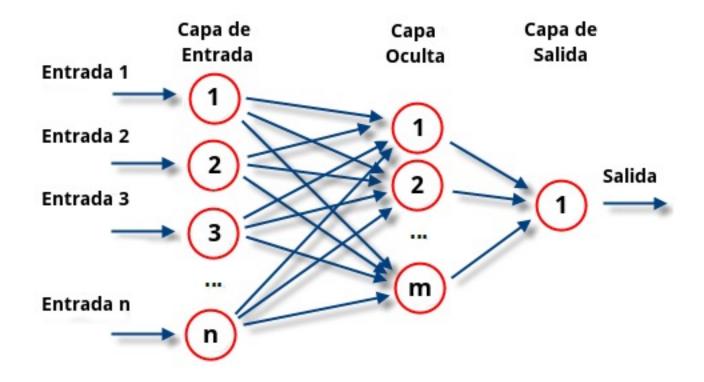
https://towardsdatascience.com/linear-regression-using-python-b136c91bf0a2?gi=1491c0aa25fb

Árboles y derivados



https://levelup.gitconnected.com/random-forest-regression-209c0f354c84?gi=e5c0cdbce98b

Redes neuronales y Deep Learning



https://www.atriainnovation.com/que-son-las-redesneuronales-y-sus-funciones/