



PROYECTO IA 1



ANALISIS TIEMPOS DE ENTREGA

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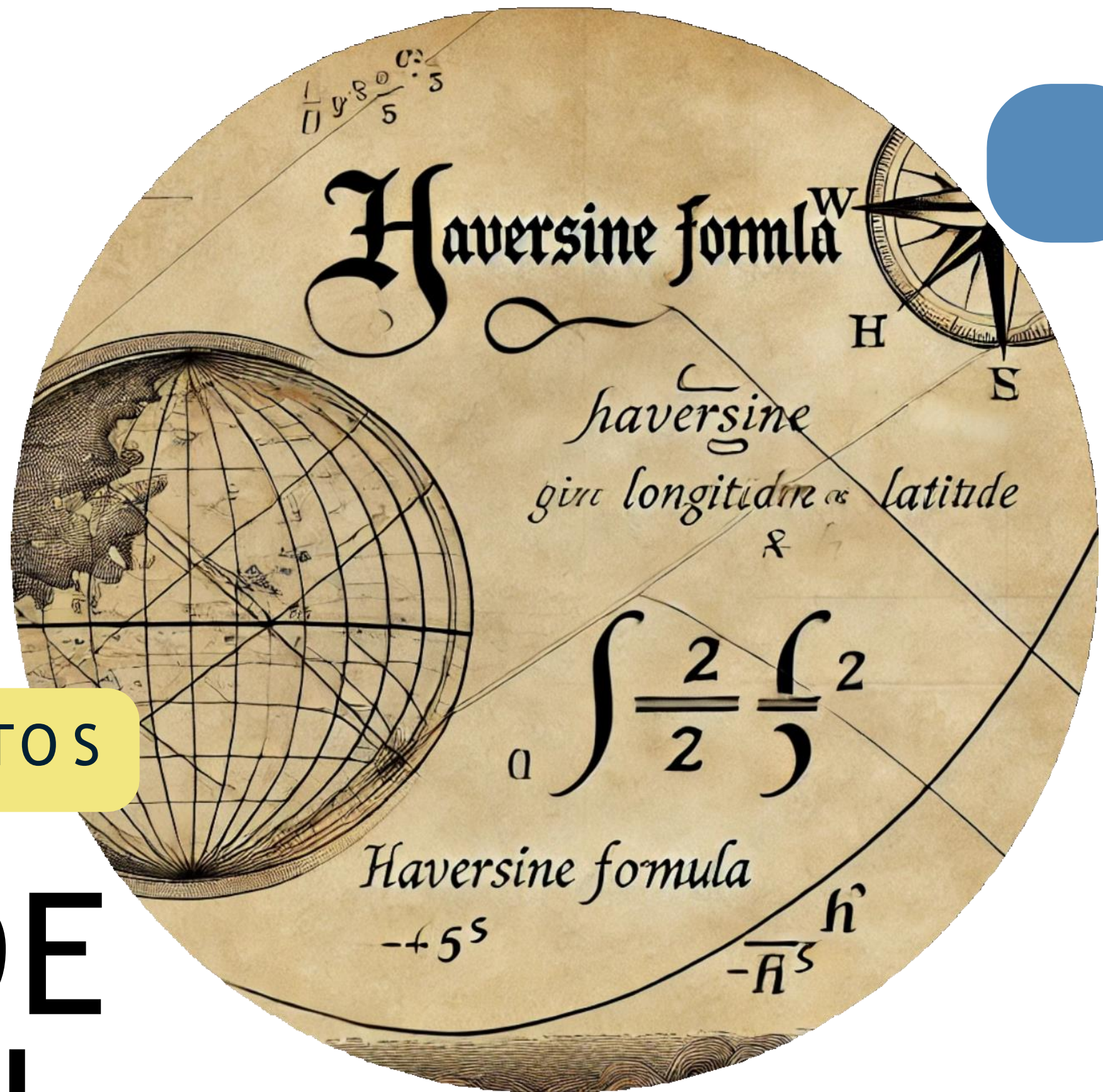


DATASET SELECCIONADO

[HTTPS://WWW.KAGGLE.COM/DATASETS/RAJAT
KUMAR30/FOOD-DELIVERY-TIME/DATA](https://www.kaggle.com/datasets/rajat_kumar30/food-delivery-time/data)

PROCESAMIENTO DE LOS DATOS

FORMULA DE HAVERSEIN



METRICAS DE EVALUACION

MSE

$$MSE = \frac{\sum (y_i - \hat{y}_i)^2}{n}$$

RMSE

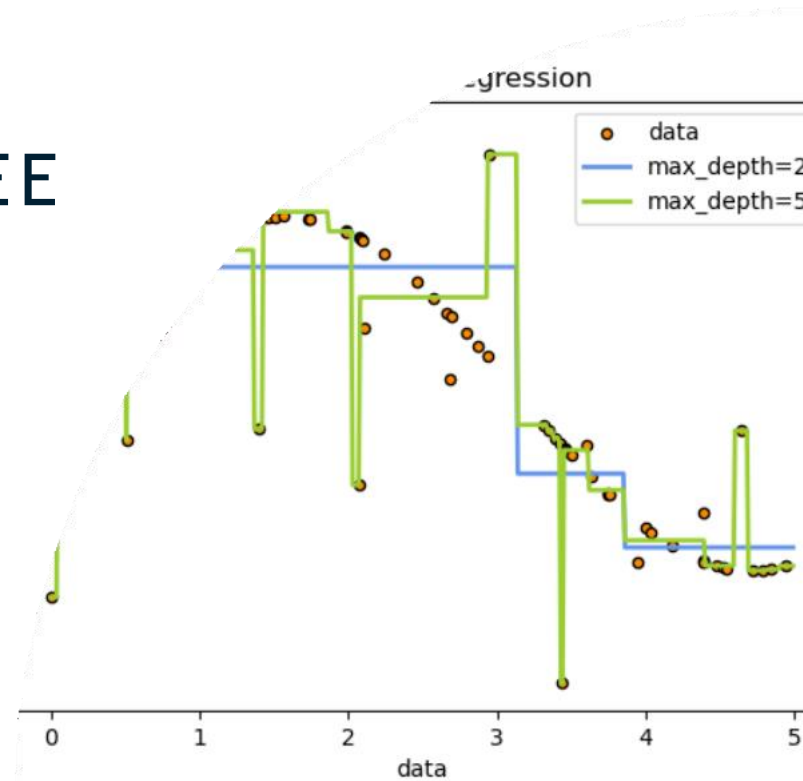
$$RMSE = \sqrt{\frac{\sum_{i=1}^N \|y(i) - \hat{y}(i)\|^2}{N}},$$

MAE

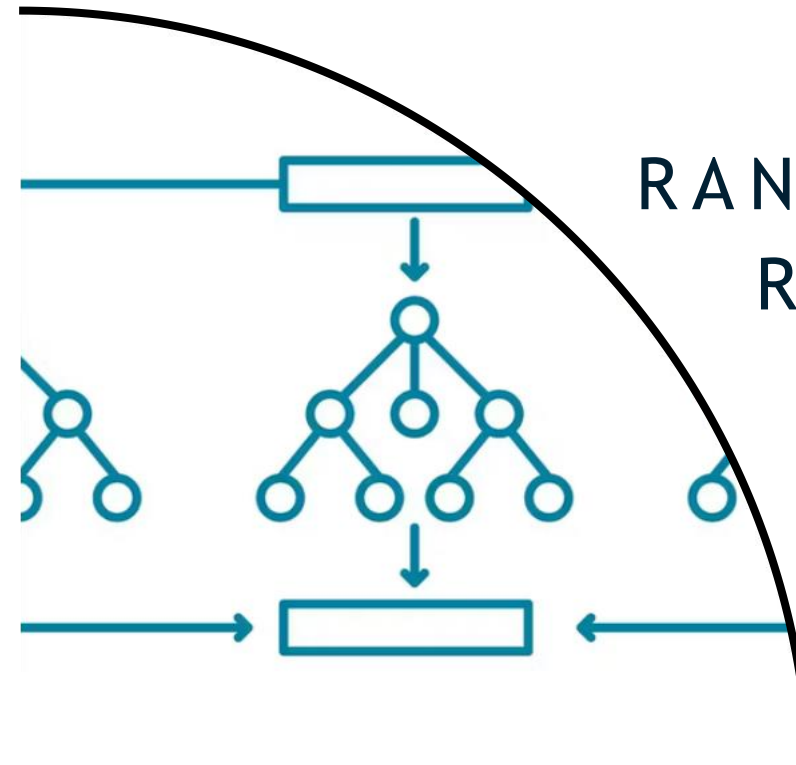
$$MAE = \frac{1}{N} \sum_{i=1}^N |y_i - \hat{y}_i|$$

ESTIMADORES UTILIZADOS

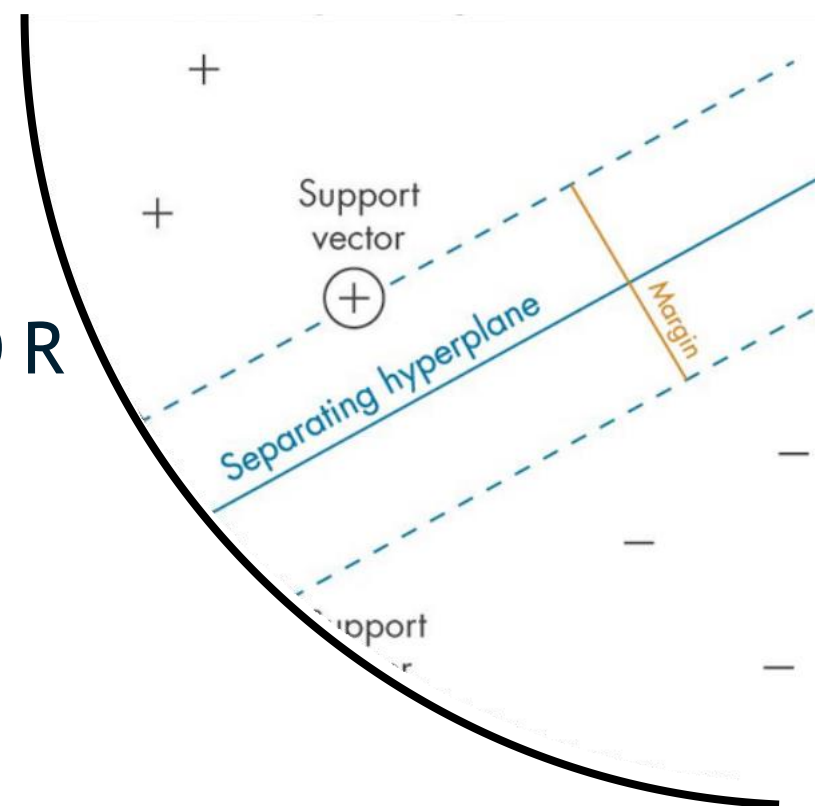
DECISION TREE
REGRESSOR



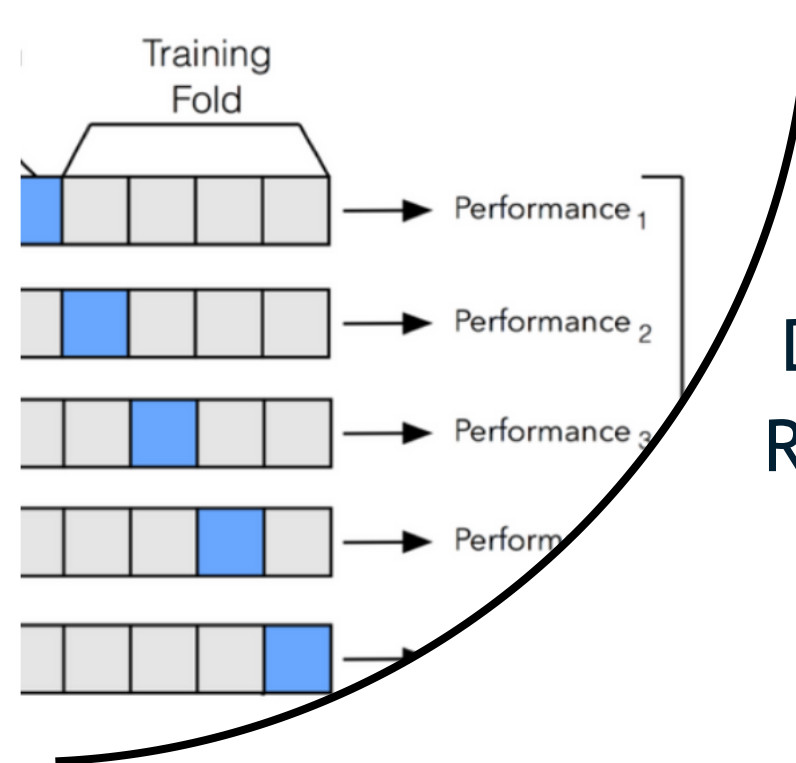
RANDOM FOREST
REGRESSOR



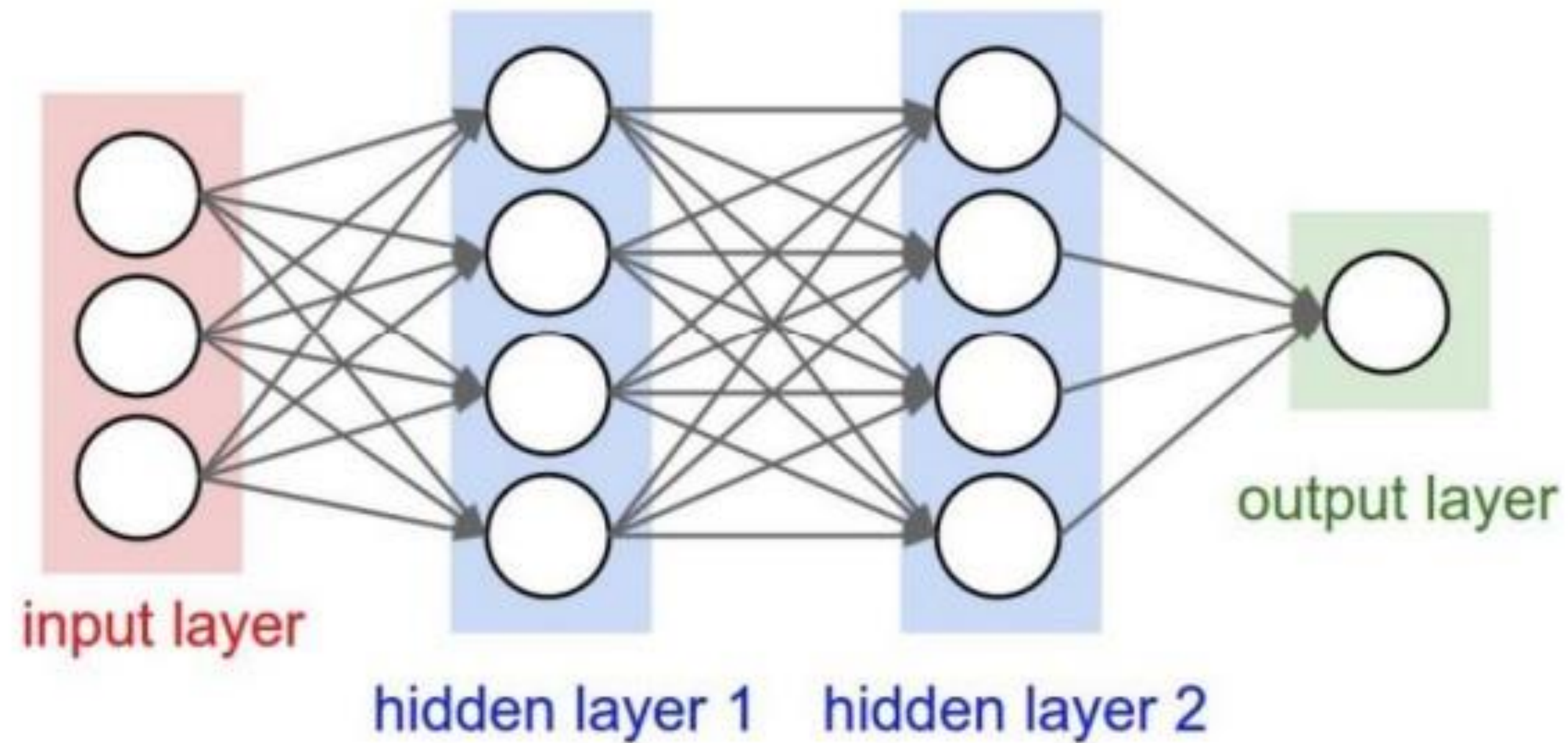
SUPPORT VECTOR
REGRESSOR



DECISION TREE
REGRESSOR CVS

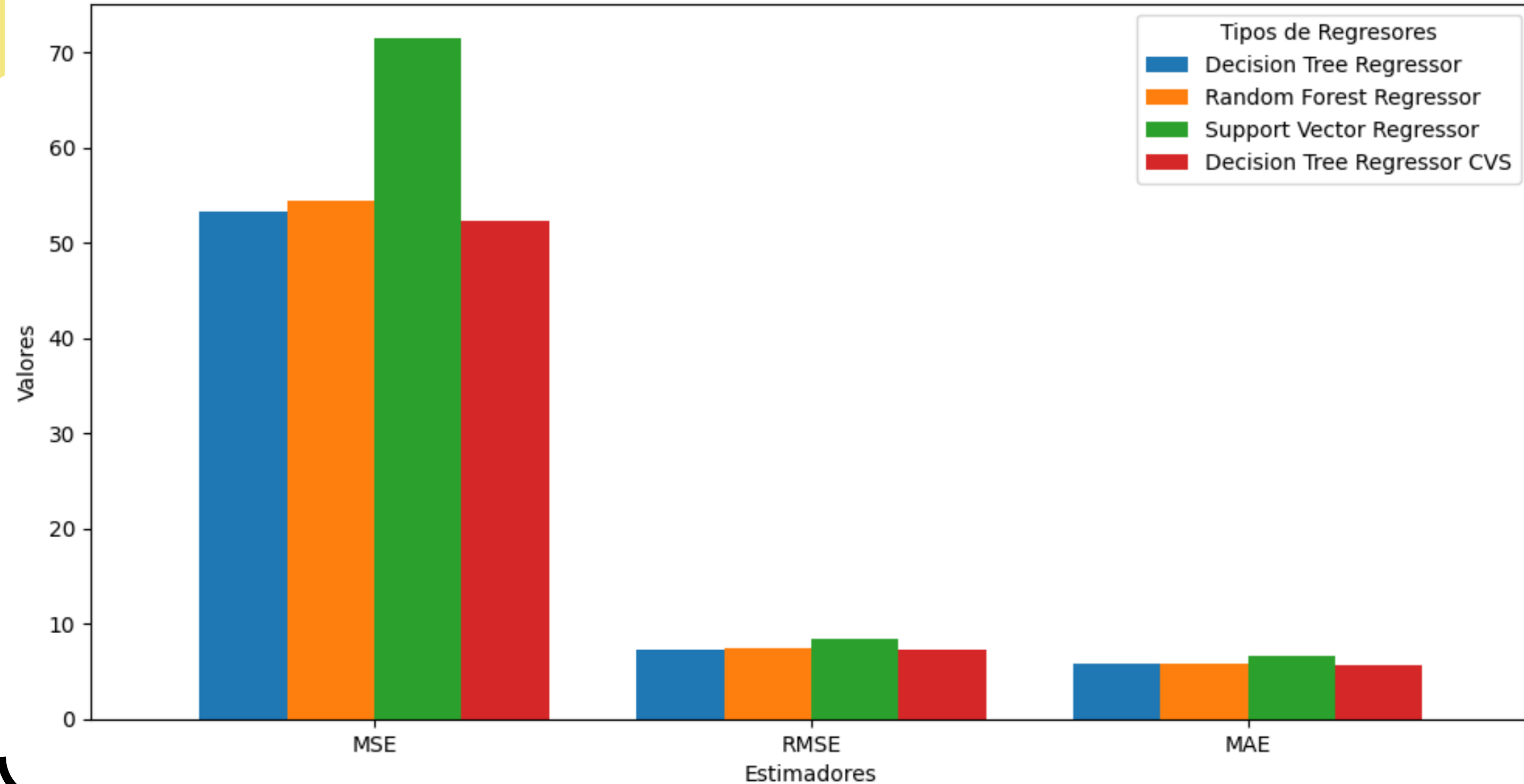


MODELOS SECUNCIALES



RESULTADOS

Comparación de Estimadores



RESULTADOS

