

Decision Tree Implementation

Regression & Classification ← Type of Decision Tree

① ID3 → input features <u>categorical</u>	<u>target classification</u>
----------------------------------------------	------------------------------

② C4.5 → input features <u>categorical /</u> <u>continuous</u>	<u>target classification</u>
----------------------------------------------------------------------	------------------------------

③ CART → classification & Regression
Tree

input features	target
categorical / continuous	Regression & classification

{ → Decision Tree Classifier
→ Decision Tree Regressor

Index(['fixed acidity', 'volatile acidity', 'citric acid', 'residual sugar',
'chlorides', 'free sulfur dioxide', 'total sulfur dioxide', 'density',
'pH', 'sulphates', 'alcohol'])

n = 11

continuous
variable

