

# Regression Trees

As we have already seen, decision trees can be used for classification, but we can also use them for regression, commonly called regression trees.

The basic idea behind regression trees is to split our data into groups based on features, like in classification, and return a prediction that is the average across the data we have already seen.

Consider the housing data below, where we are using the 'Age' to predict the 'Price' of a house.

	Age	Price
0	1	515550.73
1	2	491775.83
2	5	457544.34
3	7	506443.94
4	7	524594.98
5	15	368796.62
6	39	362740.81
7	45	361467.51
8	32	411260.00
9	21	390396.54
10	55	94761.54
11	64	115555.98
12	75	73275.04