***Random Forest Regression***

* **Random Forests** are a form of **ensemble learning** (like **gradient boosting**), which is when we perform the same algorithm multiple times + combine them to make something much more powerful than the original algorithm
* **Random Forest** does this w/ Decision Trees
* 1) Pick K random data points from a training set
* 2) Build Decision Tree based on just these K data points (a subset)
* 3) Choose a number of trees to build N + repeat steps 1 + 2 to build a forest of decision trees
* 4) Take each DT and use them to predict a y value for a new data point and assign the average value from all predicted y values from all DT’s to get the new data point prediction