**Voting**

Another ensemble method is to take a bunch of different types of classifiers, or regressors, and just take the mode/median of their predictions. Apropos classifiers we can use not only things like decision trees or neural networks, but also other ensemble method classifiers, like Random Forest, or adaboost. Same goes for the regressor models.

**Exploring the Model and Hyperparameters**

Here’s a simple example of the Voting Classifier. I used KNN(n\_neighborss=2), KNN(n\_neighbors=5), KNN(n\_neighbors=10) on the 3-class thing. Note the models used in the Voting Classifier don’t have to be of the same type. We could have KNN’s and DecisionTree’s and Neural Networks all mixed in.

A map of voting

Description automatically generated

And here’s a regression example. I averaged three decision trees with max\_depths = 5, 7, 10. Again, we don’t have to use the same type of model every time.

A graph with a line graph and a line graph

Description automatically generated with medium confidence