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## Hyperparameters Tuning & Model Evaluation.

- Base → Random forest → 100 } for n-estimators  
Overfitting → 800.
- n-estimators hyperparameters  
max depth hyperparameter. →  $\log(n)$    
↳ no. of features.
- These parameters express important properties of the model such as its complexity (or) how fast it learns.
- sklearn.ensemble.RandomForestRegressor. → shown.  
(Always fix random state = a number) for hyperparameters.
- Y\_Pred compare with Y\_Validation & see how much error you get.  
change max depth & n-estimators to change accuracy.  
→ This is called hyperparameter tuning.  
many ways are there.  
Grid Search & Random Search → Explained. (See phone gallery).
- (Add delay. in test (clear = null) also).