Hyperparameter Tuning

- Parameters: values in your model that your model chooses (e.g. coefficients)
- Hyperparameters: values in your model that your model does NOT choose (e.g. K in KNN, max_depth in DTs)

Two options:

- 1. Choose the hyperparameter based on domain knowledge
- 2. Choose the hyperparameter using hyperparameter tuning
 Train-Test-Validation: The validation set serves as a pretend-test-set for us to see how well
 different hyperparameter values do on unseen data without touching our actual test set



Hyperparameter Tuning

- Grid search
- Random search
- Bayesian optimization

