Building the model

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For now we use the scikit-learn library to create models. The steps to creating a model are a

- **Define:** What type of model will it be? A decision tree? Some other type of model? Some other p are specified too.
- **Fit:** Capture patterns from provided data. This is the heart of modeling.
- **Predict:** Just what it sounds like
- **Evaluate**: Determine how accurate the model's predictions are.

```python
from sklearn.tree import DecisionTreeRegressor
# Define model. Specify a number for random_state to ensure same results each run
melbourne_model = DecisionTreeRegressor(random_state=1)
# Fit model
melbourne_model.fit(X, y)
```

```python
# predict using model
Melbourne_model.predict(X)
```

s followed:

parameters of the model type