

# Models

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## Models

A model defines the relationship between features and label. For example, a spam detection model might associate certain features strongly with "spam". There are two phases of a model's life:

- **Training** means creating or **learning** the model. That is, you show the model examples and enable the model to gradually learn the relationships between features and label.
- **Inference** means applying the trained model to unlabeled examples. The trained model to make useful predictions ( $y'$ ). For example, during inference, predict medianHouseValue for new unlabeled examples.

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