

# End-to-End Machine Learning Project

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- Main steps of a machine learning project:
  1. Look at the big picture.
  2. Get the data.
  3. Explore and visualize the data to gain insights.
  4. Prepare the data for machine learning algorithms.
  5. Select a model and train it.
  6. Fine-tune your model.
  7. Present your solution.
  8. Launch, monitor, and maintain your system.

## Working with Real Data

- Popular data repositories
  - [OpenML](#)
  - [TensorFlow Datasets](#)
  - [Kaggle](#)
  - [Hugging face](#)
  - [UC Irvine](#)
  - [Amazon's AWS datasets](#)

## This example

- The book uses California Housing Prices dataset from the StatLib repository. This dataset is based on data from the 1990 California census.