

HOUSE PRICE PREDICTION METHODOLOGY

USA HOUSING DATASET – REGRESSION PROBLEM

DATASET SELECTION

- USA Housing Dataset (Kaggle)
- Predict house prices

DATA LOADING

- Load dataset using Pandas
- Check shape, head, and data types

DATA PREPROCESSING

- Handle missing values
- Select relevant features

DATA EXPLORATION

- Analyze features and statistics
- Check missing values

TRAIN/TEST SPLIT & MODEL TRAINING

- Split data (80% Train / 20% Test)
- Apply Linear Regression

MODEL EVALUATION & RESULTS

- Evaluate using MAE, MSE, R²
- Interpret predictions