NAAN MUTHALVAN

ARTIFICIAL INTELLIGENCE

PROJECT TITLE

HOUSE PRICE PREDICTION USING AI

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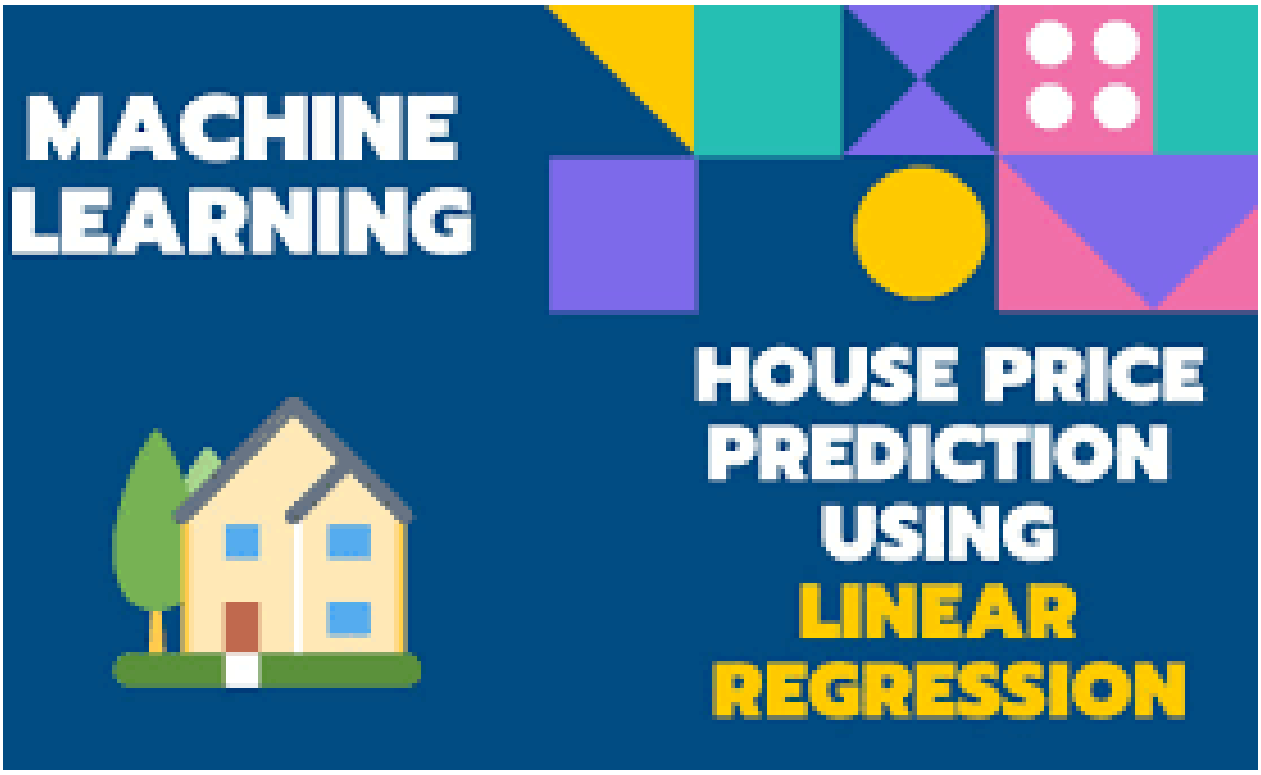
PHASE 1

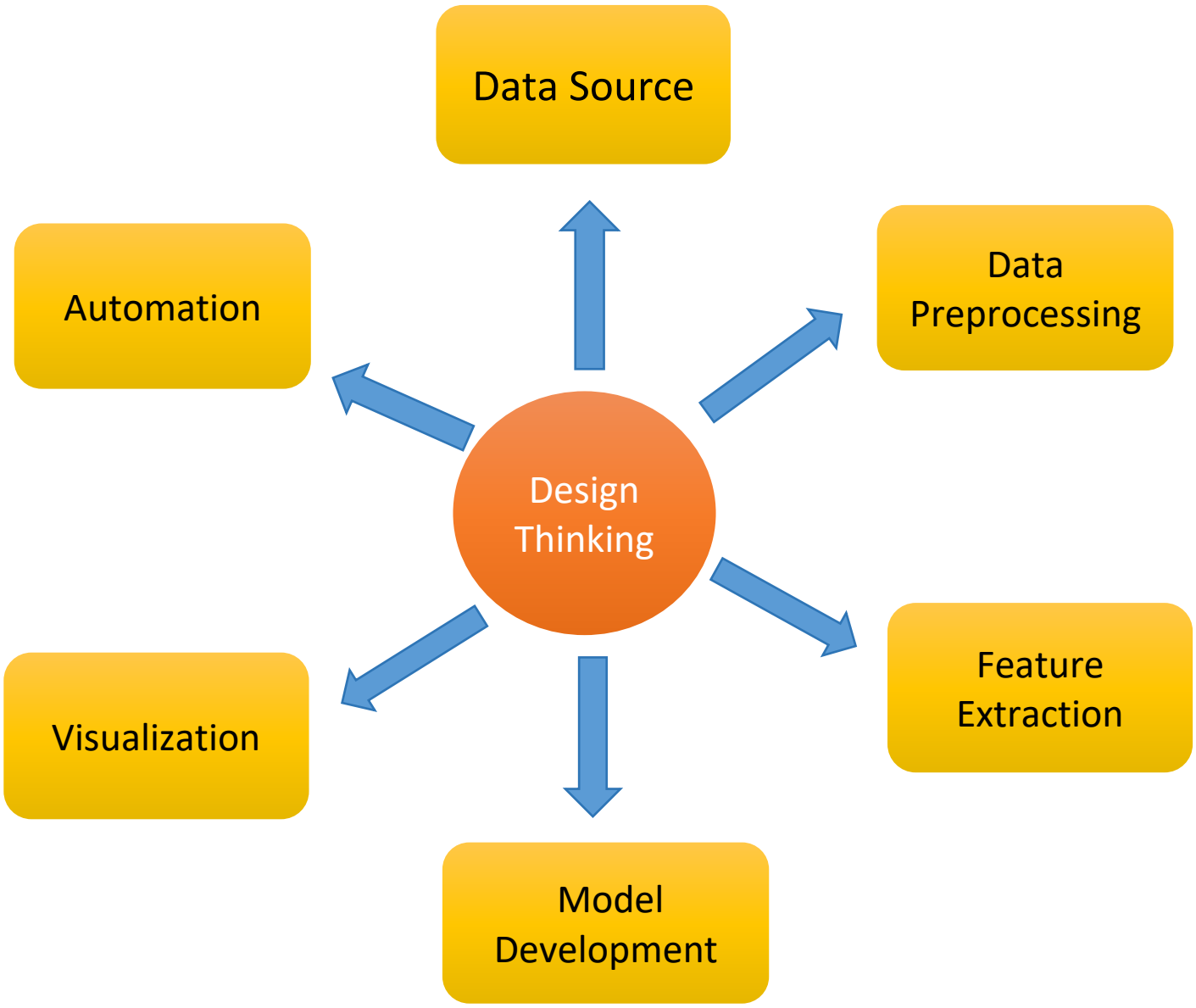
PROBLEM DEFINITION AND DESIGN THINKING

PROBLEM DEFINITION

The goal of this project is to develop a machine learning model that can accurately predict the selling prices of residential houses based on various features and attributes of the properties. The model will help potential buyers and sellers make informed decisions in the real estate market by providing reliable price estimates.



DESIGN THINKING



Data Source

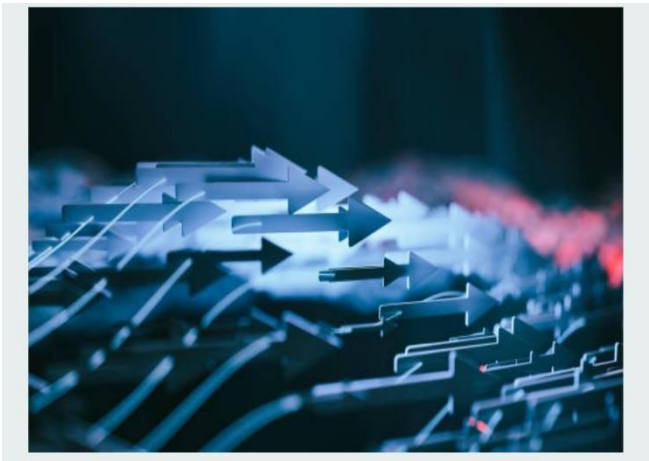
Identify an available dataset containing house price prediction.

Data Preprocessing

Clean,transform and prepare the dataset for analysis.

Clean

Analysis



Transform

Feature Extraction

Extract relevant features and metrics from the house price prediction data.

Model Development

Utilize statistical analysis to uncover trends, patterns and anomalies in the data.

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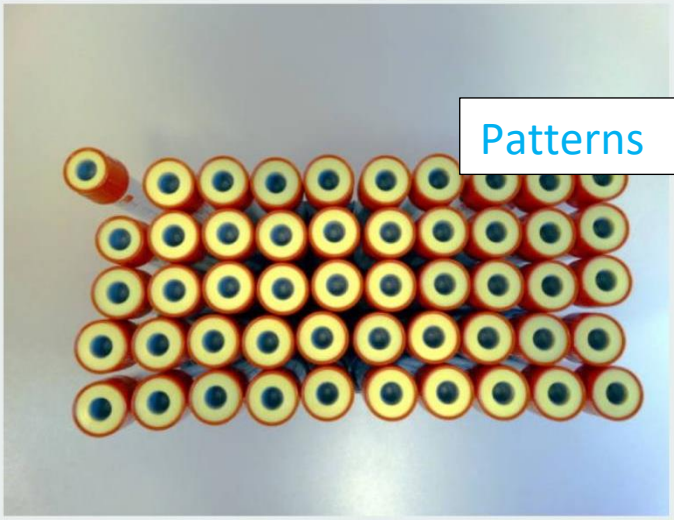
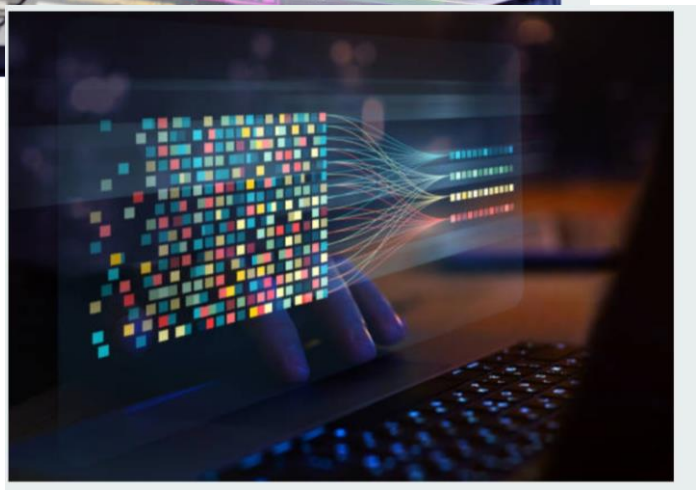


Patterns

Visualization

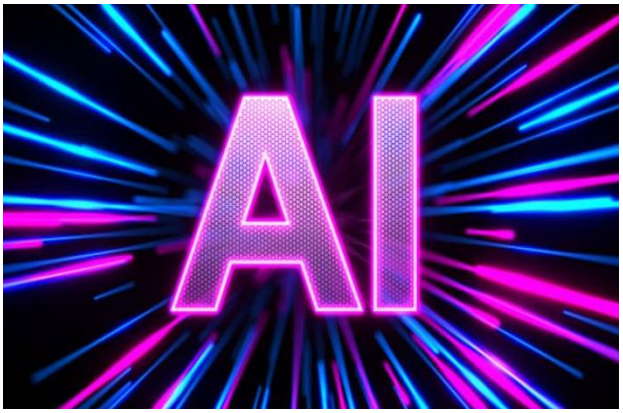
Develop visualization (graphs, charts) to present the house price pridiction trends and insights.



Visual Insights

Automation

Build a script that automates data collection, analysis and visualization processes.



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