

An aerial photograph of a suburban neighborhood. The image shows a grid of streets with houses, green lawns, and trees. Some houses have swimming pools. The overall scene is a typical suburban residential area.

Melbourne Housing Market Analysis

Digital Enigma

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Timeline



Data extraction – Derived dataset from Kaggle



Preprocessing – Preparing data for analysis



Model selection



Model training



Validation



Conclusion

Dataset Overview

Source: Kaggle - Melbourne Housing Snapshot

Records: ~34,000 sales from 2016

Features include rooms, type, location, dates, etc.

Missing values	Handling missing values (drop/Impute)
Outliers	Handling outliers
Dates	Converting dates to datetime format
Encoding	Encoding categorical variables (Type, Suburb)
Organizing	Organizing data into tables and removing unnecessary/insignificant features

Data Preprocessing

Exploratory Data Analysis: Price Distribution



Analyzing correlation between price and various features



Prioritising variables on the basis of impact on price

Thank You!