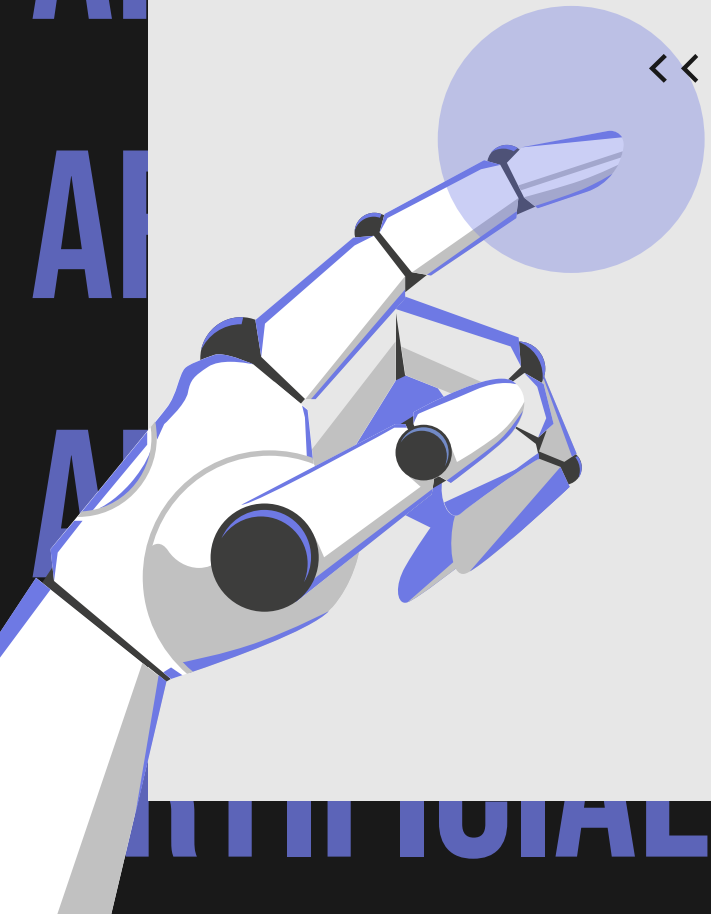
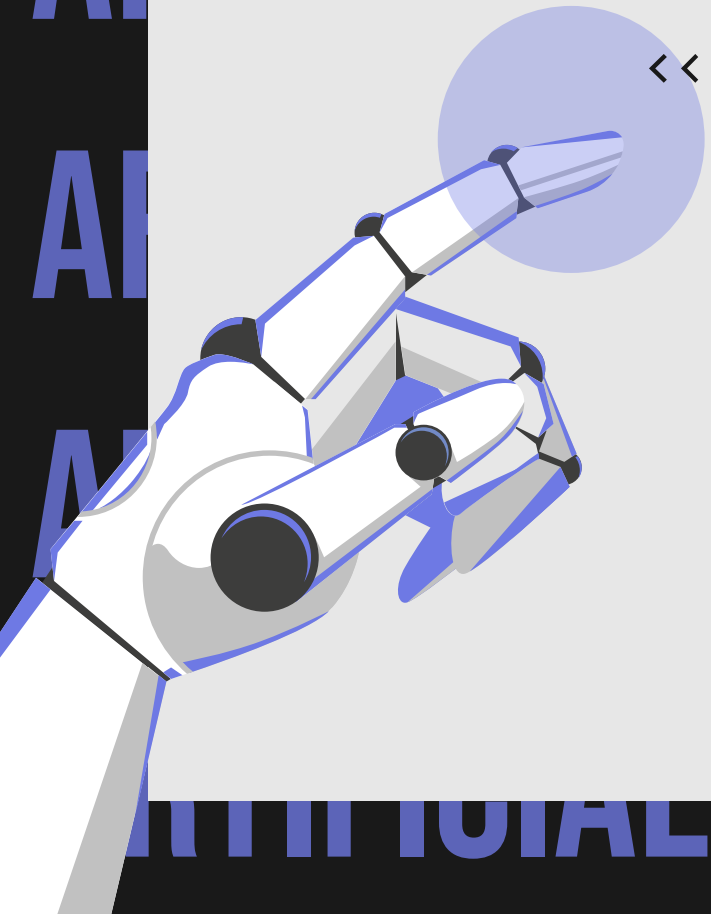


MACHINE LEARNING PROPOSAL



HOUSE PRICE PREDICTION

MEMBERS

ARTIFI
INTELI
(AI)

Nguyễn Thanh Sang	- 20110393
Huỳnh Đăng Khoa	- 20110375
Huỳnh Kỳ Sơn	- 20110395

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ARTIFICIAL INTELLIGENCE (AI)

01.

PURPOSE

PROBLEM AND PURPOSE

- The "California Housing Prices" problem is an important problem related to predicting house prices in California based on many different explanatory variables.
- This is an important issue because the real estate market in California is growing strongly and there are large fluctuations in home prices.
- We proposed this study to better understand the factors that influence home prices in California and build an effective prediction model.
- Predict house prices in the US state of California based on criteria: longitude, latitude, housing median age, total rooms, total bedrooms, population, households, median income, median house value , ocean proximity

/[AI]

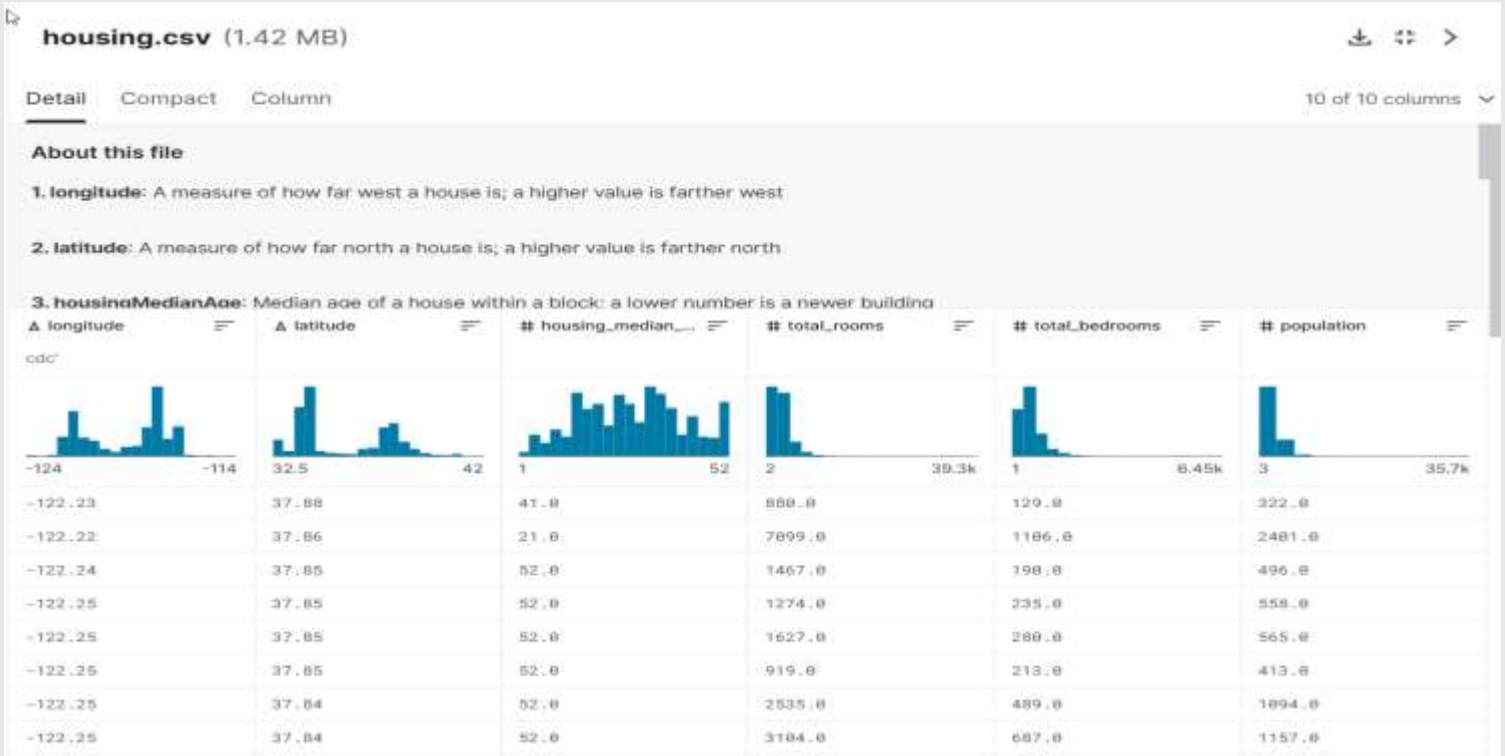
02.

DATASET

You can enter a subtitle here if you need it

DATASET

The data is collected from Kaggle



03.

INPUT & OUTPUT

INPUT & OUTPUT

Input (Explanatory Variable, X):

- Area of the house
- Geographic location (coordinates, near the sea, city center or not)
- House attributes (number of bedrooms, bathrooms, yard area, year built, ...)
- Surrounding environment (distance to public amenities, schools, hospitals, ...)
- Average income of the area

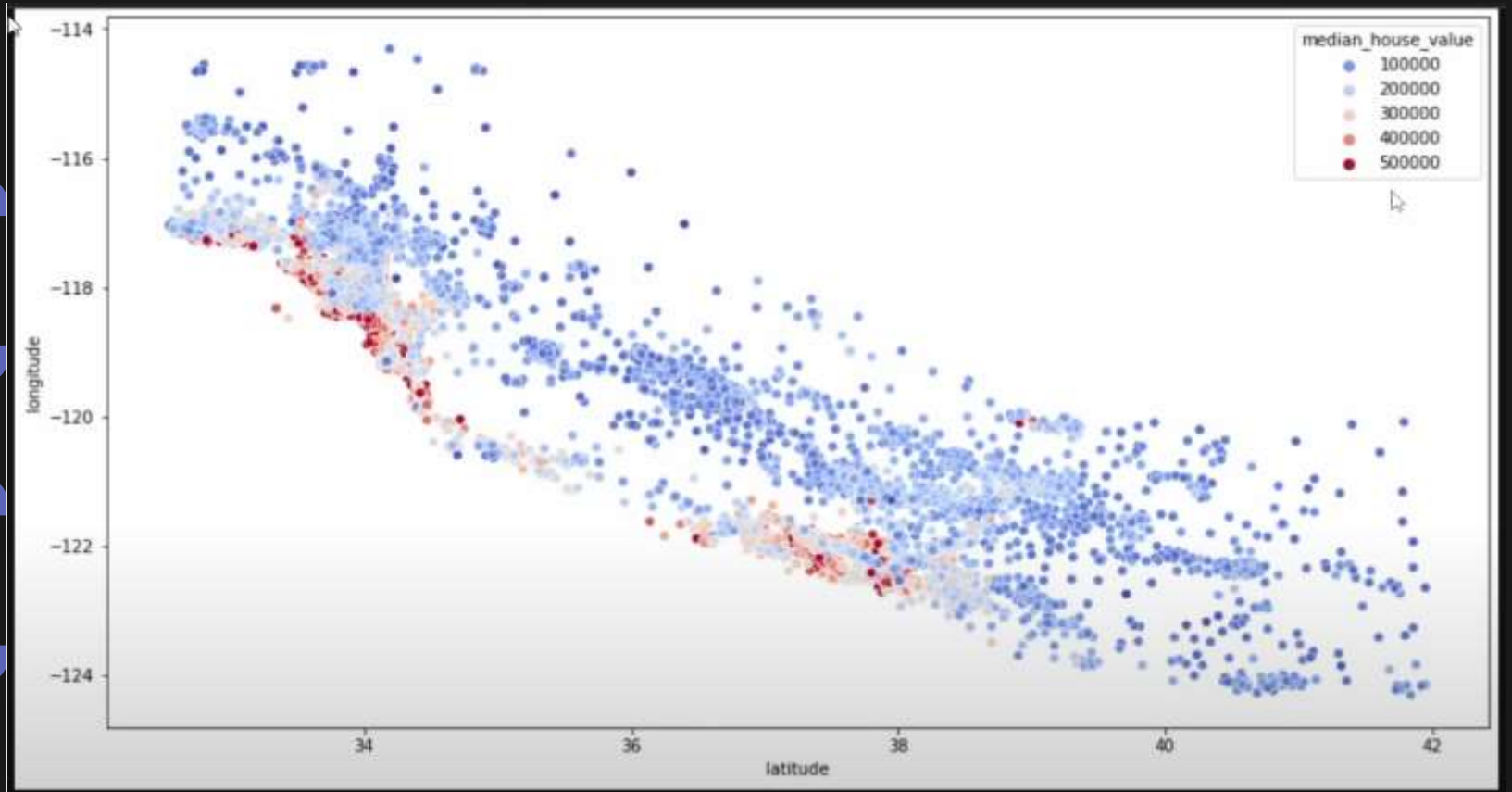
Output (Response Variable, Y): Estimated house price

[AI]

04.

RESULT EXPECTED

RESULTS EXPECTED



05.

PLAN AND ASSIGNMENTS

Task	Assignment	Day
Choose Topic	All members	10-11/10
Determine the required variables	All members	12-13/10
Collect data	Sang, Sơn	14-24/10
Filter the data	Sang, Khoa	25/10
Determine the algorithm to use	All members	26-27/10
Conduct assessment test	Sang, Khoa	28/10
Algorithm construction	All members	29/10-6/11
Code design	All members	6-24/11
Test and fix bug 1	All members	25-26/11
Report	Sơn, Khoa	25-28/11
General test	All members	29-30/11
Test and fix bug 2 (if have)	All members	1-3/12

THANK YOU FOR LISTENING

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