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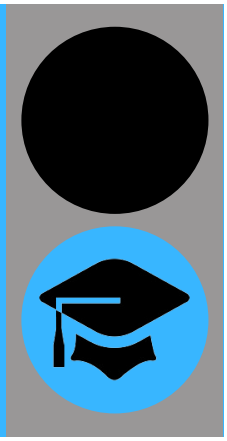
LET'S GET STARTED



Task- 2(Medium)

Task: House Price Prediction

Description:

Create a machine learning model using linear regression and housing dataset. In this project you have to predict house prices using various features given in the dataset.

Requirements:

- Basic understanding of pandas and linear regression model.
- Jupyter Notebook or any Python environment.

Steps to Follow:

1. **Import libraries and dataset:**
- Import necessary libraries like pandas.
- Import dataset given to you with task file.
2. **Data preprocessing:**
- Remove null values and duplicates from the dataset.
- Split the dataset into training and testing data.
3. **Implement Model:**

- Apply linear regression model on the training dataset and check its accuracy.

4. **Model Evaluation:**

- Test the model by using test dataset if model is predicting accurate values then your model is accurate.

5. **Testing:**

- Test your model by different datasets .

What You'll Learn:

- Concept of linear regression.
- Developing models based on real world problems.

Additional Suggestions(Optional):

- You can use different dataset according to your choice.
- Try to apply different models.

Conclusion:

The house prediction project successfully leveraged machine learning algorithms to make accurate predictions. The model's performance was validated through rigorous testing, demonstrating its reliability in forecasting house prices. The project highlights the potential of AI in real estate analytics and provides valuable insights for future applications in property valuation.