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Tech Skills Trainer | AI/ML Consultant

Zillow Predictive Power

House Price Prediction Model

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PROJECT DESCRIPTION

The goal of this project is to build and evaluate a regression model to predict house prices using the "Ames Housing" dataset from Kaggle.

Students will apply supervised learning techniques to develop and refine their models, analyzing the results to improve accuracy.

PROJECT DELIVERABLES

1. Model Code
2. Evaluation Metric
3. Jupyter Notebook - Well documented ipynb that includes:
 - Data exploration and preprocessing steps
 - Model training and evaluation results
 - Conclusions and future improvement suggestions

FURTHER INSTRUCTIONS

1. Familiarize yourself with the dataset.
2. Load and explore the data.
3. Clean the data.
4. Handle missing values.
5. Convert categorical variables to numerical.
6. Select relevant features.
7. Split the data into training and testing sets.
8. Choose a model.

9. Train your model.
10. Evaluate your model's performance.
11. Optimize model parameters.
12. Document your process in a Jupyter Notebook.
13. Create visualizations to support your findings.
14. Summarize key insights and conclusions.
15. Review your notebook for clarity and completeness.
16. Prepare your final submission materials.

_____ BEST OF LUCK ... :)

THANK YOU!

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