Project Ethics, Impact and Sharing Report

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Ethics of the Study:

The *"Predictive House Sale prices: A Comprehensive Analysis and Model Comparison"* project upholds ethical standards throughout its lifecycle:

Dataset Acquisition: The dataset used in this study was sourced from publicly available repositories, ensuring compliance with data usage policies and ethical guidelines.

Ethical Review: As the project involves secondary data analysis and does not involve human subjects, Institutional Review Board (IRB) approval was not required.

Data Anonymity: Personal identifiable information (PII) was handled with utmost care to maintain anonymity and ensure privacy protection.

Preprocessing and Model Selection: Rigorous preprocessing techniques were employed to handle missing data and ensure data integrity. Model selection was based on performance metrics and suitability for the problem domain.

Transparency and Integrity: The study maintains transparency in disclosing data sources, methodologies, and limitations, ensuring the integrity of the research process and results.

Conclusions and Discussions: Conclusions drawn from the analysis are based on empirical evidence, and discussions include potential implications and future research directions, fostering transparency and responsible reporting.

Impact of the Study and Results:

Academic Contribution: The study contributes to the academic community by providing insights into the efficacy of machine learning algorithms for predicting housing prices, offering valuable methodology and findings for future research endeavors.

The research findings can inform local stakeholders, including real estate professionals, policymakers, and residents, about factors influencing housing prices in urban areas. This knowledge can facilitate informed decision-making related to housing investments and urban development initiatives.