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Forecasting for Agricultural Commodities Price Using AI Models

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Abstract: *The developed system utilizes machine learning methods to create a web platform which forecasts agricultural commodity modal prices using historical data points. The platform executes price predictions through a regression model that received training on feeding information about year and month together with unitized arrivals in quintals and commodity type. The system operates through a Python-Flask-HTML framework that enables users to access an easy-to-use interface for making data-based agricultural choices. The system's design integrates a trained regression model using commodity historical records and ensures its ability to grow while maintaining user-friendly capabilities for the platform*

Keywords: Agricultural Price Forecasting, Commodity Price Prediction, Machine Learning in Agriculture, Regression Model, Flask Web Application, Data-Driven Farming, Modal Price Prediction, Crop Marketing Insights, Random Forest, Predictive Analytics, Smart Agriculture, Agricultural Decision Support System, Real-Time Forecasting, Web-Based Farming Tool

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