

AI-integrated grocery store management website for demand forecasting and revenue analysis

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Abstract: In the context of intense competition among grocery stores, accurately predicting product demand through the application of artificial intelligence (AI) has become a crucial solution for optimizing inventory management and improving business efficiency. This topic focuses on building an AI-integrated web management system aimed at predicting product demand and analyzing revenue based on historical sales data. Through a combination of theoretical research and experimentation, the topic aims to contribute to the development of information technology in the retail industry, while enhancing business management capabilities for enterprises. The system is expected to provide accurate forecasts and support effective management, thereby helping businesses increase profits and compete more effectively in the market.

Keywords: artificial intelligence, grocery management, data analysis, demand forecasting, business optimization