LITERATURE SURVEY

[1] The purpose of this study was to identify the most appropriate method of forecasting meal counts for an institutional food service facility. The forecasting methods included naive models, moving averages, exponential smoothing methods, Holt's and Winter's methods, and linear and multiple regressions. The result of this study showed that multiple regression was the most accurate forecasting method.

[2] The authors used several regressions and Box-Jenkins models to forecast weekly sales at a small campus restaurant. The result of testing indicates that a multiple regression model with two predictors, a dummy variable and sales lagged one week, was the best forecasting model considered.

[3] Poisson Regression can be used to predict the number of customers being served at a restaurant during a certain time period.

[4] Artificial neural network and a genetic algorithm was combined to design and developed a sales forecasting model. They collected sales data from a small restaurant in Taipei City and used them as the output for the forecasted results while associated factors including seasonal impact, impact of holidays, number of local activities, number of sales promotions, advertising budget, and advertising volume were chosen as input data.

[5] It proposes a service demand forecasting method that uses a customer classification model to consider various customer behaviours. A decision support system based on this method was introduced in restaurant stores.

[6] It proposes a simplified version of market basket analysis (MBA) rules to explore menu items assortments, which are defined as the sets of most frequently ordered menu item pairs of an entre and side dishes.

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