Cross-Validation:Predicting Sales

Behara Study: Predicting Sales

Dependent Variable: Item Sales in a Store (p. 423)

Independent Variables: Store and Item Characteristics (p. 423)

Measure of Model Fit: RMSE

Behara Study: Predicting Sales

Dependent Variable Description (p. 425)

Independent Variables Description?

Exploratory Data Analysis (p. 429)

Behara Study: Predicting Sales

Model Description

Behara Study: Predicting Sales

Cross-Validation: 20 K-fold cross validation (p. 428)

Behara Study: Predicting Sales

Table 1. Comparison of cross validation score of different model

Model	Cross validation score (Mean)	Cross validation score (Std)
Linear regression	1129	43.24
Decision tree	1091	45.42
Ridge regression	1097	43.41

Results from page 430

Behara Study: Predicting Sales

Table 2. Comparison of MAE and RMSE of proposed model with other model

Model	MAE	RMSE
Linear regression	836.1	1127
Decision tree	751.6	1068
Ridge regression	836	1129
Xgboost	**749.03**	**1066**

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