

The proposed method was evaluated using the data provided by a home electrical appliance manufacturer. The data consisted of the demand records for 639 service parts used in refrigerator doors, the interior mechanisms and outdoor mechanisms of air conditioners, and remote control units. The numerical experiment showed that the method achieved higher forecasting accuracy than the conventional method except for refrigerator door parts. However, it also showed that the proposed method and the conventional method have the same level of forecasting accuracy if they are applied to the refrigerator doors.

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