

ABSTRACT

Methods and systems for generating demand forecasting data of a computerized system include receiving, from a user device, a request for generating demand forecasting data. The system retrieves data from a database, wherein the data represent sales history associated with an item during a predefined time period. After the retrieval, the system modifies the retrieved data by removing outliers and generates demand forecasting data associated with the item by performing a Wavelet transform on the modified data based on a wavelet base.