

ABSTRACT

The embodiments of the present disclosure provide systems and methods for outbound forecasting, comprising receiving an initial set of solutions comprising receiving a prediction of a regional sales forecast indicative of a customer demand for each stock keeping unit (SKU) in a plurality of regions, receiving a prediction of a correlation of one or more SKUs that will be combined in customer orders in the plurality of regions, receiving a prediction of a size of customer orders in the plurality of regions, wherein a customer order profile is simulated based on the predicted correlation and the predicted size, applying a fulfillment center (FC) priority filter to the simulated customer order profile, predicting a FC for managing outbound of each SKU based on the predicted regional sales forecast and the simulated customer order profile, and modifying a database to assign the predicted FC to each corresponding SKU.