

ABSTRACT

In this research, we have implemented the improvement of the storage location strategy using the Machine learning algorithm, which includes the Clustering algorithm and Market Basket analysis using R shiny. Where clustering algorithm is used for classifying the SKUs into low demand and high demand, which will help the inventory management to make a decision while storing the item in their location. The market basket analysis is used to find the relationship among the SKUs in order to determine which SKU to store together, which will ultimately reduce the traveling time of the labor while picking the order. The ultimate goal of the research is to make the application which will make easy for the ground people where the R shiny has used, which lets the user upload the document and give the result in the form of excel. The implementation method of the clustering is compared with the existing strategy.

I am working with the Solution Design team. During the tenure of my internship, I have worked on various conceptual topics, including my skillsets like Machine Learning, Deep Learning Visualization. I have been exposed to a very good level of handling third-party Live data and getting involved in functional discussions. Most of my work has been done using open-source tools and scripting. I was given various use-cases to find the insights and demonstrate the output as per the use-case.