

Prediction of Modal Price Various Commodities from Various Markets (Mandi)

Sridhatta Aithal

February 2021

1 Abstract

The prices of various food items from various markets are updated on daily basis based on the minimum and maximum prices of that specific food item the modal price of that food item can be predicted. This prediction requires the use of Regression models(Linear, Polynomial) which will helps us in predicting the commodity prices continuously(or prediction in continuous terms). Also this analysis can be extended by analysing the modal prices through Cluster analysis such as Hierarchical Clustering whereby we can group them on the basis of food items with higher priced category and lower priced category for that specific day. Clustering can also be done on the basis of area at which the food item is sold as an area can have subarea such as District and Talukas whereby different such location can sell the same food item which can also be clustered as origin of food item as the food items are sold by farmers in Mandi basically called as APMC market. Their prices can be compared to analyze on the basis of daily variation as this Dataset is available on daily basis. The Analysis between Predicted Modal price and Actual Modal price can be minimised by fine tuning the parameters such that this can help the farmers with the known value of Modal price of the food item which they are going to sell.