

APMC/Mandi Prices Task (Winter Project)

Aim:

To understand trends in APMC (Agricultural produce market committee)/mandi price & quantity arrival data for different commodities in Maharashtra.

To predict the future trends of price for different commodities

Objective:

1. Test and filter outliers.
2. Understand price fluctuations accounting the seasonal effect
 - A. Detect seasonality type (multiplicative or additive) for each cluster of APMC and commodities
 - B. De-seasonalise prices for each commodity and APMC according to the detected seasonality type
3. Post doing the above analysis, forecast the prices (modal_price) of different commodities for the next three months Make the required assumptions and mention them in the report. Do not worry about high error-rate, focus on the logic and the approach.

Variable description:

msprice- Minimum Support Price

arrivals_in_qtl- Quantity arrival in market (in quintal)

min_price- Minimum price charged per quintal

max_price- Maximum price charged per quintal

modal_price- Mode (Average) price charged per quintal

Data Link- https://drive.google.com/folderview?id=1slvvVUr63os0kkVhHtpxx_gXlvq0Fum