All India Consumer Price Index (CPI) Prediction

Consumer Price Index (CPI) measures changes over time in general level of prices of goods and services that households acquire for the purpose of consumption. For construction of CPI numbers, two requisite components are weighing diagrams (consumption patterns) and price data collected at regular intervals. The data refers to All India Consumer Price Index with base year 2012 =100 and combined for both rural and urban areas.

Problem Definition:

To forecast the CPI of goods and services for the next year based on the historical aspects and trends.

Training Data:

Training data consists of **'Sector', 'Year', 'Month', 'Cereals and products', 'Meat and fish','Egg', 'Milk and products', 'Oils and fats', 'Fruits', 'Vegetables', 'Pulses and products', 'Sugar and Confectionery', 'Spices', 'Non-alcoholic beverages', 'Prepared meals, snacks, sweets etc.', 'Food and beverages', 'Pan, tobacco and intoxicants', 'Clothing','Footwear', 'Clothing and footwear', 'Fuel and light','Household goods and services', 'Health', 'Transport and communication','Recreation and amusement', 'Education', 'Personal care and effects', 'Miscellaneous', 'General index'.**

Sector: Rural,Urban and Rural+Urban

Year: 2013 January, 2018 April

Month: January,February,…,December

Remaining variables contains CPI value.

Test Data:

Test Data contains all the values except 'Cereal and Products' which considered as Target Variable