Walmart Inc.

Walmart Inc. is an American multinational retail corporation that operates a chain of hypermarkets (also called supercenters), discount department stores, and grocery stores in the United States, headquartered in Bentonville, Arkansas. The company was founded by Sam Walton in nearby Rogers, Arkansas in 1962 and incorporated under Delaware General Corporation Law on October 31, 1969. It also owns and operates Sam's Club retail warehouses. In India, Walmart operates under the name of *Flipkart Wholesale*.

As of *July 31, 2022*, Walmart has *10,585 stores* and clubs in *24 countries*, operating under 46 different names. Out of which we have chosen *45 stores* for basic analysis.

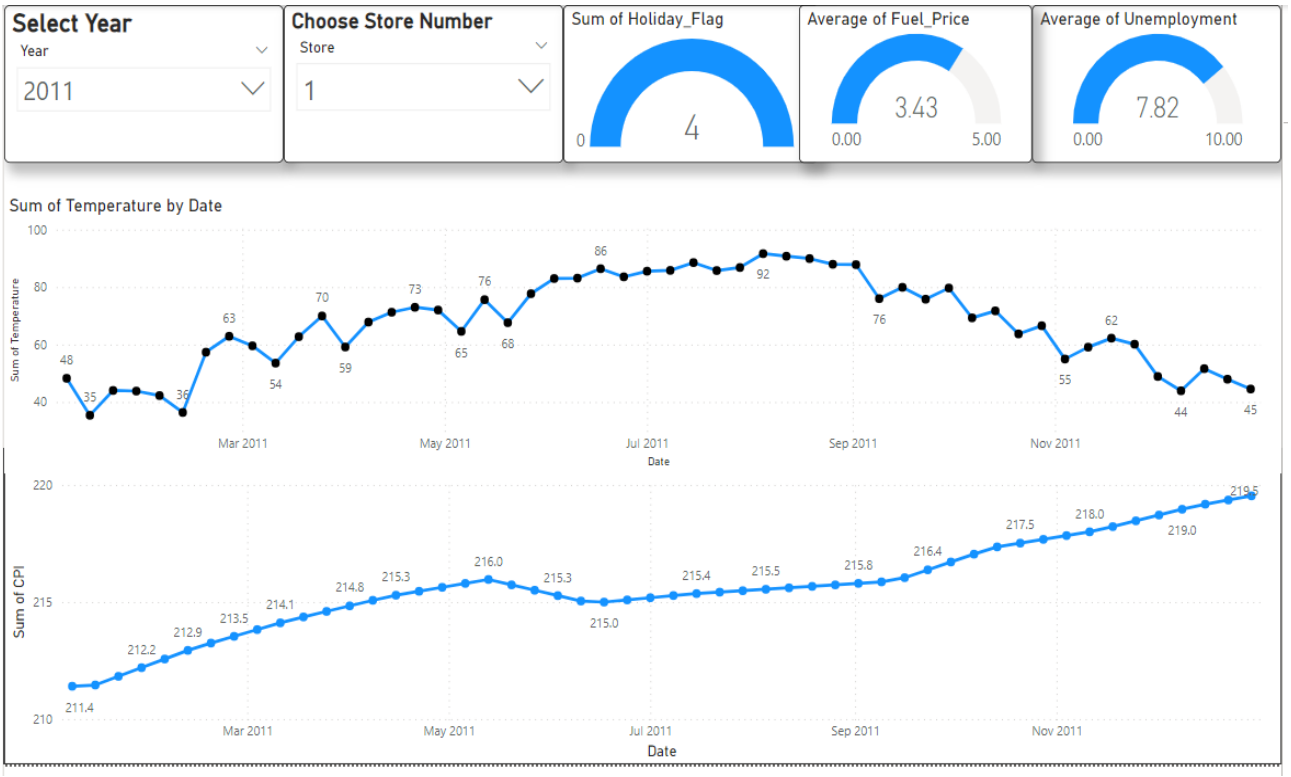
Walmart is the world's largest company by revenue, with about *US$570 billion in annual revenue*, according to the Fortune Global 500 list in May 2022.

Problem Statements

- **Analyzing the Data and Create Dashboard:** The company optimizes the routes to the shipping dock and tracks the number of times the product is accessed before it reaches the Customer's destination.
- **Predictive Analysis:** By using Predictive Analysis, the stores can anticipate demand at a certain week and determine how many Sales Representatives / Employees are needed.

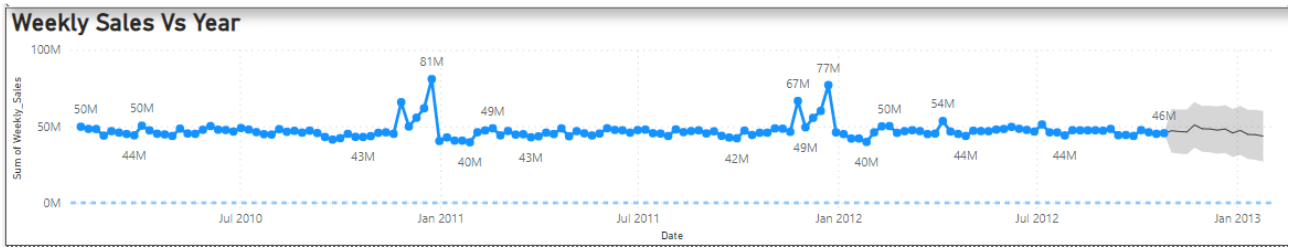
Solutions:

Analyzing the Data and Create Dashboard:



This is the dashboard to analysis the **Walmart Inc** where I used two slicing one is Year another is Store Number. This data consists of 45 store of Walmart of 2010, 2011 and 2012. From this interactive dashboard, user can easily understand the sales, CPI and other different features of the data.

Predictive Analysis:



We have calculated the predictive analysis with respect to year of weekly sales as shown above the figure. The forecasting is shown in gray and dark line and the upper bond and lower bond are mention in the table.

Date	Sum of Weekly_Sales	ForecastValue	confidenceHighBound	confidenceLowBound
2012-10-26 00:00:00	45544116.29	45544116.29	45544116.29	45544116.29
2012-11-02 00:00:00		47166876.2487124	61437672.8013744	32896079.6960504
2012-11-09 00:00:00		46594254.0629792	61061899.2696884	32126608.8562701
2012-11-16 00:00:00		46360283.6069956	61022134.8341415	31698432.3798497
2012-11-23 00:00:00		50965404.8474973	65818923.1171433	36111886.5778514
2012-11-30 00:00:00		48380345.161173	63423088.5468208	33337601.7755252
2012-12-07 00:00:00		48294675.2911648	63524292.8880119	33065057.6943177
2012-12-14 00:00:00		47503011.7962932	62917238.2032829	32088785.3893034
2012-12-21 00:00:00		48297340.3854412	63893990.6445733	32700690.1263091
2012-12-28 00:00:00		45672655.3842518	61449620.3295583	29895690.4389453
2013-01-04 00:00:00		47367924.4969744	63323166.4714847	31412682.5224641
2013-01-11 00:00:00		44748626.2722282	60880175.1763143	28617077.3681422
2013-01-18 00:00:00		44526949.6995327	60832899.3383813	28221000.0606841
2013-01-25 00:00:00		43620505.0162197	60099009.7179337	27142000.3145057

Unemployment:

The unemployment in the reason of store start decreasing continuously with respect to time because of which our sales are also increasing and with the help of predictive analysis unemployment are decreasing with time as shown in the graph above.