**Project Report**

**Retail Analysis with Walmart Data**

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Retail Analysis with Walmart Data

Walmart is a retail corporation that operates a chain of hypermarkets (Supercenters)

discount department stores,and grocery stores.The company was founded by Sam Walton in 1962 Walmart world’s biggest retailer.

There are certain events and holidays which impact sales on each day. There are sales. data available for 45 stores of Walmart.This project will try to give answer the following questions:

1-Which store has minimum and maximum sales?

2-Which store has maximum standard deviation, The sales vary a lot. Also, fin d out the coefficient of mean to standard deviation?

3-Which store/s has good quarterly growth rate in Q3’2012?

4-Some holidays have a negative impact on sales. Find out holidays which have higher sales than the mean sales in non-holiday season for all stores together

5-Provide a monthly and semester view of sales in units and give insights

6-Build prediction models to forecast demand

Dataset Description

This is the historical data that covers sales from 2010-02-05 to 2012-11-01, in the file

Walmart\_Store\_sales. Within this file you will find the following fields:

-Store - the store number

-Date - the week of sales

-Weekly\_Sales - sales for the given store

-Holiday\_Flag - whether the week is a special holiday week 1 – Holiday week 0 – Non-holiday week

-Temperature - Temperature on the day of sale

-Fuel\_Price - Cost of fuel in the region

-CPI – Prevailing consumer price index

-Unemployment - Prevailing unemployment rate