**Analysis Tasks**

**Basic Statistics tasks**

* Which store has maximum sales
* Which store has maximum standard deviation i.e., the sales vary a lot. Also, find out the coefficient of mean to standard deviation
* Which store/s has good quarterly growth rate in Q3’2012
* 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
* Provide a monthly and semester view of sales in units and give insights

**Statistical Model**

For Store 1 – Build  prediction models to forecast demand

* Linear Regression – Utilize variables like date and restructure dates as 1 for 5 Feb 2010 (starting from the earliest date in order). Hypothesize if CPI, unemployment, and fuel price have any impact on sales.