```
/*----*/
FILENAME REFFILE '/folders/myfolders/Walmart Store sales.csv';
PROC IMPORT DATAFILE=REFFILE
     DBMS=CSV
     OUT=WORK.Walmart Store sales;
     GETNAMES=YES;
RUN;
PROC CONTENTS DATA=WORK.Walmart Store sales;
RUN;
/*----*/
Proc Means Data=Walmart Store sales Mean STD Max Q3;
BY Store;
RUN;
/*----*/
Proc Means Data=Walmart Store sales Max ;
     Var weekly sales;
     class store;
RUN;
/*----*/
Proc Means Data=Walmart Store sales STDDEV ;
     Var weekly sales;
     class store;
RUN;
/*----*/
ODS Graphics on;
Proc corr Data=Walmart Store sales
           Plots=Matrix(Histogram) ;
           var weekly_sales store;
ODS GRaphics off;
/*----Store/s has good quarterly growth rate in Q3'2012-----*/
Proc Means Data=Walmart Store sales Q3 ;
     Var weekly sales;
     class store;
RUN:
/*----holidays which have higher sales than the mean sales
in non-holiday season for all stores together -----*/
Proc Means Data=Walmart Store sales;
          BY Store;
     Var weekly_sales;
     class Holiday_Flag;
RUN;
Proc gplot Data=Walmart Store sales;
Plot weekly sales*holiday flag;
```

```
run;
Proc glm Data=Walmart Store sales;
Model weekly sales=holiday flag;
run;
/*----*/
/*----*/
/*Ho sales affect the unemployment, fule price and CPI*/
/*H1 Sale doesnt affect the above mentioned*/
/* Alpha= 0.05*/
/*IF pvalue >0.05 Reject H0*/
Proc Reg Data=Walmart Store sales;
          Model weekly sales=unemployment fuel price cpi;
          Run:
/*----*/
proc arima data = Walmart Store sales;
identify var = weekly sales(1) nlag = 24;
estimate p = 1 q = 1;
forecast lead=12 interval=month id=Date out=Walmart Store sales;
quit;
/*-----/
proc arima data=Walmart Store sales ;
  identify var=weekly_sales(1) nlag=24;
run;
/*----*/
proc sgplot data=Walmart_Store_sales;
scatter y=weekly sales x=date;
run:
/*----*/
proc arima data=Walmart Store sales;
identify var=Fuel Price(1);
estimate p=2;
identify var=weekly sales(1) crosscorr=Fuel Price(1);
estimate p=1 q=1 input=Fuel Price;
forecast lead=6 interval=month id=date out=Walmart_Store_sales;
run;
/*-----*/
/*----*/
/*The Tests stastic fail to reject the autocorrelation hypothesis
```

pvalue<0.0001 for the first six lags*/

/*Hence AR(1) model is fully adequate for this series*/