FOR SEASONALITY ANALYSIS, Following tables were created-

TRUCK Mileage table creation:

CREATE TABLE truck_mileage_fall AS SELECT truckid, driverid, rdate, miles, gas, miles/gas mpg FROM trucks_fall LATERAL VIEW
stack(16,dec12,dec12_miles,dec12_gas,nov12,nov12_miles,nov12_gas,oct12,oct12_miles,oct12_gas,sep12,sep12_miles,sep12_gas,dec11,dec11_miles,dec11_gas,nov11,nov11_miles,nov11_gas,oct11,oct11_miles,oct11_gas,sep11,sep11_miles,sep11_gas,dec10,dec10_miles,dec10_gas,nov10,nov10_miles,nov10_gas,oct10,oct10_miles,oct10_gas,sep10,sep10_miles,sep10_gas,dec09,dec09_miles,dec09_gas,nov09,nov09_miles,nov09_gas,oct09,oct09_miles,oct09_gas,sep09,sep09_miles,sep09_gas) dummyalias AS rdate, miles, gas;

CREATE TABLE truck_mileage_summer AS SELECT truckid, driverid, rdate, miles, gas, miles/gas mpg FROM trucks_summer LATERAL VIEW
stack(12,aug12,aug12_miles,aug12_gas,jul12,jul12_miles,jul12_gas,jun12,jun12_miles,jun12_gas,aug11,aug11_miles,aug11_gas,jul11,jul11_miles,jul11_gas,jun11,jun11_miles,jun11_gas,aug10,aug10_miles,aug10_gas,jul10,jul10_miles,jul10_gas,jun10,jun10_miles,jun10_gas,aug09,aug09_miles,aug09_gas,jul09,jul09_miles,jul09_gas,jun09,jun09_miles,jun09_gas) dummyalias AS rdate, miles, gas;

CREATE TABLE truck_mileage_spring AS SELECT truckid, driverid, rdate, miles, gas, miles/gas mpg FROM trucks_spring LATERAL VIEW
stack(20,may12,may12_miles,may12_gas,apr12,apr12_miles,apr12_gas,mar12,mar12_miles,mar12_gas,feb12,feb12_miles,feb12_gas,jan12,jan12_miles,jan12_gas,may11,may11_miles,may11_gas,apr11,apr11_miles,apr11_gas,mar11,mar11_miles,mar11_gas,feb11,feb11_miles,feb11_gas,jan11,jan11_miles,jan11_gas,may10,may10_miles,may10_gas,apr10,apr10_miles,apr10_gas,mar10,mar10_miles,mar10_gas,feb10,feb10_miles,feb10_gas,jan10,jan10_miles,jan10_gas,may09,may09_miles,may09_gas,apr09,apr09_miles,apr09_gas,mar09,mar09_miles,mar09_gas,feb09,feb09_miles,feb09_gas,jan09,jan09_miles,jan09_gas) dummyalias AS rdate, miles, gas;

Driver Mileage Table Creation:
CREATE TABLE DriverMileage_fall AS SELECT driverid, sum(miles) totmiles FROM truck_mileage_fall GROUP BY driverid;
CREATE TABLE DriverMileage_summer AS SELECT driverid, sum(miles) totmiles FROM truck_mileage_summer GROUP BY driverid;
CREATE TABLE DriverMileage_spring AS SELECT driverid, sum(miles) totmiles FROM truck_mileage_spring GROUP BY driverid;

Average Mileage Table Creation:
CREATE TABLE avg_mileage_fall AS SELECT truckid, avg(mpg) avgmpg FROM truck_mileage_fall GROUP BY truckid;
CREATE TABLE avg_mileage_spring AS SELECT truckid, avg(mpg) avgmpg FROM truck_mileage_spring GROUP BY truckid;
CREATE TABLE avg_mileage_summer AS SELECT truckid, avg(mpg) avgmpg FROM truck_mileage_summer GROUP BY truckid;

RiskFactor Table Creation:

CREATE TABLE riskfactor_fall (driverid string,events bigint,totmiles bigint,risriskfactor float);

```
CREATE TABLE riskfactor_summer (driverid string,events bigint,totmiles bigint,risriskfactor float);
CREATE TABLE riskfactor_spring (driverid string,events bigint,totmiles bigint,risriskfactor float);
```