**proc** **import** datafile='C:\Users\Saurabh Sangamwar\Downloads\tread\_depth\tread\_depth.xlsx'

DBMS=xlsx out=tires replace;

**run**;

**proc** **glmmod** data=tires1 outdesign=GLMDesign outparm=GLMParm;

class rimtype;

**run**;

**proc** **univariate** data=tires1 normal plots;

var td\_mean1;

**run**;

**data** tires1;

set tires1;

if (td\_mean1 < (**13.5585** + (**1.5** \* (**13.5585** - **6.8000**)))) then output;

**run**;

**data** tires1;

set tires1;

if (td\_mean1 > -**3.33775**)then output;

**run**;

**data** tires1;

set tires1;

mileage1=input(mileage,**8.**);

td\_min1=input(td\_min,**8.**);

tacho1=input(tacho,**8.**);

rimtype1=input(rimtype,**8.**);

td\_mean1=input(td\_mean,**8.**);

if rimtype='Air' then rimtype1=**1**;

if rimtype='Alloy' then rimtype1=**2**;

if rimtype='Solid Polyurethane Elastomer' then rimtype1=**3**;

if rimtype='Spider' then rimtype1=**4**;

if rimtype='Steel' then rimtype1=**5**;

if rimtype=' ' then rimtype1=**6**;

if tisize\_radial='R' then tisize\_radial=**1**;

if tisize\_radial='-' then tisize\_radial=**0**;

if wheelposition='1L' then wheelposition=**1**;

if wheelposition='1LI' then wheelposition=**1**;

if wheelposition='1LO' then wheelposition=**1**;

if wheelposition='1R' then wheelposition=**1**;

if wheelposition='1RI' then wheelposition=**1**;

if wheelposition='1RO' then wheelposition=**1**;

if wheelposition='2L' then wheelposition=**1**;

if wheelposition='2R' then wheelposition=**1**;

if wheelposition=' ' then wheelposition=**1**;

**run**;

**proc** **univariate** data=tires1 normal plots;

var mileage1 td\_min1 tacho1;

**run**;