NAME: UDEMGBA RITA CHIDUM

MATRIC NO: 17/ENG04/069

DEPARTMENT : ELECTRICAL ELECTRONICS ENGINEERING

commandwindow

clearvars

clc

format short g

Baby = xlsread('1587203818odevbesdata','data1');

t1 = Baby(:,1);

v = Baby(:,2);

t0=ones(length(t1),1);

t=[t0 t1]

y= log(v)

x=[t0 t t.^2]

spo=regress(y,x)

a0=spo(1);

a1=spo(2);

a3=spo(3);

kp=10^spo(1)

Tp=-kp/spo(2)

Td=(spo(3)\*Tp/-kp)

[mcoeff, mcoeffint, mresid, mresidint, manova] = regress(y,x);

mcoeff;

mresid;