DM LOG 'CLEAR';

dm output 'clear';

options nodate pageno=**1** formdlim='\*';

ods html close; /\* close previous \*/

ods html; /\* open new \*/

**data** d1;

input gender $ y x1 x2 x3;

datalines;

female 50 2 5 9

male 45 5 6 12

male 51 6 8 13

female 55 4 6 10

female 49 2 4 8

female 57 5 8 11

female 51 3 5 8

male 49 7 8 12

male 53 8 9 14

female 59 7 9 15

female 46 2 3 7

female 55 4 8 12

male 51 6 9 13

male 44 4 5 11

male 59 9 12 15

male 51 8 9 12

female 50 4 6 10

female 49 3 3 6

**proc** **print** data=d1;

**run**;

\*/a;

**%macro** m(file,gender,depen,indep1=,indep2=,indep3=);

proc reg data=&file;

title "Regression with &gender &indep1 &indep2 &indep3" ;

where gender=&gender;

model &depen= &indep1 &indep2 &indep3;

run;

**%mend** m;

options mlogic;

%***m***(d1,"female",y,indep1=x1,indep3=x3);

\*/b ;

%***m***(d1,gender,y,indep2=x2,indep3=x3);

\*/ 2 \*/;

ods html close; /\* close previous \*/

ods html; /\* open new \*/

dm log 'clear';

dm output 'clear';

ods html close; ods html;

options nodate pageno=**1** formdlim='\*';

title " --- ";

**data** d1;

input gender$ y x1 x2 x3;

datalines;

female 50 2 5 9

male 45 5 6 12

male 51 6 8 13

female 55 4 6 10

female 49 2 4 8

female 57 5 8 11

female 51 3 5 8

male 49 7 8 12

male 53 8 9 14

female 59 7 9 15

female 46 2 3 7

female 55 4 8 12

male 51 6 9 13

male 44 4 5 11

male 59 9 12 15

male 51 8 9 12

female 50 4 6 10

female 49 3 3 6

run;

\*proc print data=d1;

\*run;

\*proc reg data=d1;

\* model y = x1 x2 x3;

\* where gender ='female' or 'male';

\*run;

\*options mlogic mprint;

**%macro** my\_regression (file=, gender=, indvars=x1 x2 x3, depvars= y);

title "data = &file and x = &indvars";

proc reg data=&file;

model &depvars = &indvars;

where gender = &gender;

run;

**%mend** my\_gender\_regression;

%***my\_regression***(file=d1, gender='female', indvars=x1 x3, depvars= y);

%***my\_regression***(file=d1, gender=gender, indvars=x2 x3, depvars= y);

\*%my\_regression(file=d1, gender=gender);

ods html close; /\* close previous \*/

ods html; /\* open new \*/

options mlogic mprint;

**%macro** ***my\_regression1*** /PARMBUFF;

%let file = %scan(&syspbuff, 1);

%let num\_regressions = %scan(&syspbuff, 2);

title "regression = &num\_regressions";

%do i=**1** %to &num\_regressions;

%let j= %eval(&i+2);

%let indvars= %scan(&syspbuff, &j);

proc reg data=&file;

model y = &indvars;

run;

%end;

**%mend** my\_regression1;

%***my\_regression1***(d1, **2**, x1, x3);

ods html close; /\* close previous \*/

ods html; /\* open new \*/

options mlogic mprint;

**%macro** ***my\_regression2*** /PARMBUFF;

%let file = %scan(&syspbuff, 1); \* reads variables in data;

%let num\_regressions = %scan(&syspbuff, 3); \*no. of regressions needed;

title "regression = &num\_regressions";

%do i=**1** %to &num\_regressions;

%let j= %eval(&i+3);

%let indvars= %scan(&syspbuff, &j);

proc reg data=&file;

model y = &indvars;

run;

%end;

**%mend** my\_regression1;

%***my\_regression2***(d1, **2**, x1, x3,x2);