\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*This Program compares Food Production Index \*

\*of Spain with mean, maximum and minimum of \*

\*Aggregate countries(Germany,Morocco and Italy \*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

%let path = /home/nkumari0/WorldBank;

ods pdf file="&path/FPI\_ind.pdf";

libname ger xlsx "&path/germany.xlsx";

libname mor xlsx "&path/morocco.xlsx";

libname spa xlsx "&path/Spain.xlsx";

libname ita xlsx "&path/italy.xlsx";

data work.maindata ;

set ger.'Data'n mor.'Data'n ita.'Data'n spa.'Data'n;

where 'Indicator Code'n in("AG.PRD.FOOD.XD");

drop '1960'n - '1998'n '2014'n '2015'n;

run;

proc print data=work.maindata;

var 'Country Name'n 'Indicator Code'n 'Indicator Name'n '1999'n - '2013'n;

run;

proc transpose data=work.maindata out=o\_data (drop=\_label\_);

run;

title1 'Food Production Index';

title2 'Aggregate Countries- Germany, Morocco, Italy';

title3 'Base Country-Spain';

proc print data=o\_data label;

label \_NAME\_ = 'year'

COL1 = 'Germany'

COL2 = 'Morocco'

COL3 = 'Italy'

COL4 = 'Spain';

run;

title1;

title2;

title3;

data work.food;

set o\_data;

rename COL1=Germany COL2 = Morocco COL3= Italy COL4= Spain \_NAME\_=year ;

Avg = mean(COL1, COL2 , COL3 );

Mini = Min(COL1, COL2 , COL3);

Maxi = Max(COL1, COL2 , COL3);

run;

title1 'Mean Maximum and minimum of Aggregate Countries and Spain';

proc print data=work.food;

run;

title1;

proc gplot data=work.food;

plot Spain\*year Maxi\*year Mini\*year / overlay ;

title1 'Food Production Index';

title2 'Spain vs Aggregate Group Minimum and Maximum';

symbol1 i=spline v=dot ci=bippk cv=DeepPink;

symbol2 i=spline v=diamondfilled ci= bigy cv=DeepSkyBlue;

symbol3 i=spline v=diamondfilled ci= bigy cv=DeepSkyBlue;

\*symbol4 i=spline v=diamondfilled ci= bigy cv=DeepSkyBlue;

run;

\* Mean of Spain and aggregate group;

proc gplot data=work.food;

plot Spain\*year Avg\*year / overlay ;

title1 'Food Production Index';

title2 'Spain vs Aggregate Group Mean';

symbol1 i=spline v=dot ci=bippk cv=DeepPink;

symbol2 i=spline v=diamondfilled ci= bigy cv=DeepSkyBlue;

\*symbol3 i=spline v=diamondfilled ci= bigy cv=DeepSkyBlue;

\*symbol4 i=spline v=diamondfilled ci= bigy cv=DeepSkyBlue;

run;

quit;

libname ger clear;

libname mor clear;

libname spa clear;

libname ita clear;