

```

*****
*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=bipk 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=bipk 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;

```