OPTIONS validvarname=v7;

LIBNAME pg1 '/home/u1277015/EPG1V2/data';

/\*---------------------------------\*/

proc means data=pg1.storm\_detail maxdec=0 median max;

class Season;

var Wind;

where Basin='SP' and Season in (2014,2015,2016);

run;

proc print data=pg1.storm\_detail noobs;

where Basin='SP' and Season in (2014,2015,2016);

by Season;

run;

/\*---------------------------------\*/

title "Minimum Pressure Statistics by Basin";

ods noproctitle;

proc means data=pg1.storm\_final mean median min maxdec=0;

class BasinName;

var MinPressure;

run;

title "Correlation of Minimum Pressure and Maximum Wind";

proc sgscatter data=pg1.storm\_final;

plot minpressure\*maxwindmph;

run;

title;

ods proctitle;

/\*---------------------------------\*/

title "US National Park Regional Usage Summary";

proc freq data=pg1.np\_final;

tables Region /nocum;

run;

proc means data=pg1.np\_final mean median max nonobs maxdec=0;

class Region;

var DayVisits Campers;

run;

title2 'Day Visits vs. Camping';

proc sgplot data=pg1.np\_final;

vbar Region / response=DayVisits;

vline Region / response=Campers ;

run;

title;

/\*---------------------------------\*/

title1 'Counts of Selected Park Types by Park Region';

ods graphics on;

proc freq data=pg1.np\_codelookup order=freq;

tables Type\*Region / crosslist plots=freqplot(twoway=stacked orient=horizontal);

where type in ('National Historic Site', 'National Monument', 'National Park');

run;

/\*\*/

title1 'Counts of Selected Park Types by Park Region';

proc sgplot data=pg1.np\_codelookup;

where Type in ('National Historic Site', 'National Monument', 'National Park');

hbar region / group=type;

keylegend / opaque across=1 position=bottomright location=inside;

xaxis grid;

run;

/\*---------------------------------\*/

title "PROC PRINT Output";

proc print data=pg1.class\_birthdate;

var Name Age Height Birthdate;

format Birthdate date9.;

run;

title "PROC SQL Output";

proc sql;

select Name, Age, Height\*2.54 as HeightCM format=5.1, Birthdate format=date9.

from pg1.class\_birthdate;

quit;

title;