Analyzing and Reporting on Data

1. Modify the LABEL statement in the DATA step to label the **Invoice** column as **Invoice Price**.

```
data cars_update;
   set sashelp.cars;
   keep Make Model MSRP Invoice AvgMPG;
   AvgMPG=mean(MPG_Highway, MPG_City);
   label MSRP="Manufacturer Suggested Retail Price"
      AvgMPG="Average Miles per Gallon"
      Invoice="Invoice Price";
run;
```

2. Why do the labels appear in the PROC MEANS report but not in the PROC PRINT report? Fix the program and run it again.

```
proc means data=cars_update min mean max;
   var MSRP Invoice;
run;

proc print data=cars_update label;
   var Make Model MSRP Invoice AvgMPG;
run;
```

Most procedures automatically display permanent labels but you must use the LABEL option in PROC PRINT.

3. Add a CLASS statement to group the data by **Season** and **Ocean** so statistics are calculated for each unique combination of season and ocean. Run the program.

```
proc means data=pg1.storm_final maxdec=0 n mean min;
   var MinPressure;
   where Season >=2010;
   class Season Ocean;
run;
```