```
1  ************************************************************;
2  *  Creating Summary Statistics Reports                     *;
3  ************************************************************;
4  *  Syntax and Example                                      *;
5  *                                                          *;
6  *    PROC MEANS DATA=input-table stat-list;                *;
7  *        VAR col-name (s);                                 *;
8  *        CLASS col-name (s);                               *;
9  *        WAYS n;                                           *;
10 *    RUN;                                                  *;
11 ************************************************************;
12
13 proc means data=sashelp.heart mean median std maxdec=1;
14     var Height Weight Cholesterol;
15     class Chol_Status BP_Status;
16     ways 1;
17 run;
18
19 ************************************************************;
20 *  Demo (Highlight the PROC MEANS step and run the         *;
21 *        selected code after each step.)                   *;
22 *    1) Run the step and examine the starting report.      *;
23 *    2) List the following statistics in the PROC MEANS    *;
24 *       statement: MEAN, MEDIAN, MIN, and MAX. Add the     *;
25 *       MAXDEC=0 option to round statistics to the         *;
26 *       nearest integer.                                   *;
27 *    3) The CLASS statement can be used to calculate       *;
28 *       statistics for groups. Add a CLASS statement and   *;
29 *       list the BasinName column.                         *;
30 *    4) Add StormType as an additional column in the       *;
31 *       CLASS statement. Run the program and notice that   *;
32 *       one report is created with statistics that are     *;
33 *       calculated for the combination of BasinName and    *;
34 *       StormType values.                                  *;
35 *    5) The WAYS statement can be used to indicate the     *;
36 *       combinations of class columns to use for creating  *;
37 *       the report. Add the WAYS statement and provide a   *;
38 *       value of 1.                                        *;
39 *    6) Change the WAYS statement to list 0, 1, and 2.     *;
40 ************************************************************;
41
42
43 proc means data=pg1.storm_final mean median min max maxdec=0 ;
44     var MaxWindMPH;
45     class BasinName StormType;
46     ways 1;
47 run;
48
```