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1 *****;
2 * Creating and Using Custom Formats *;
3 *****;
4 * Syntax *;
5 * *;
6 * PROC FORMAT; *;
7 * VALUE format-name *;
8 * value-or-range-1='formatted-value' *;
9 * value-or-range-2='formatted-value' *;
10 * ... ; *;
11 * RUN; *;
12 *****;
13
14 .....
15 proc format;
16     value $genfmt 'F'='Female'
17                 'M'='Male'
18                 other='Miscoded';
19     value hrange low-<58 = 'Below Average'
20                 58-60 = 'Average'
21                 60<-high = 'Above Average';
22 run;
23
24 .....
25 proc print data=pg2.class_birthdate noobs;
26     where Age=12;
27     var Name Gender Height;
28     format Gender $genfmt. Height hrange.;
29 run;
30 *****;
31 * Demo *;
32 * 1) Notice the syntax for creating the STDATE format in *;
33 * the PROC FORMAT step. *;
34 * 2) Add a VALUE statement to the PROC FORMAT step to *;
35 * create the $REGION format with the following *;
36 * labels: *;
37 * NA => Atlantic *;
38 * WP, EP, SP => Pacific *;
39 * NI, SI => Indian *;
40 * blank => Missing *;
41 * other => Unknown *;
42 * 3) Highlight the PROC FORMAT step and run the selected *;
43 * code. Verify in the SAS log that the formats have *;
44 * been output. *;
45 * 4) Add a FORMAT statement in the PROC FREQ step to *;
46 * format Basin with the $REGION format and StartDate *;
47 * with the STDATE format. Highlight PROC FREQ step *;
48 * and run the selected code. *;
49 *****;
50
51 .....
52 proc format;

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```
53 value stdate low - '31DEC1999'd = '1999 and before'
54      '01JAN2000'd - '31DEC2009'd = '2000 to 2009'
55      '01JAN2010'd - high = '2010 and later'
56      . = 'Not Supplied';
57 *Add a VALUE statement;
58 value $region 'NA'='Atlantic'
59      'WP','EP','SP'='Pacific'
60      'NI','SI'='Indian'
61      ' '='Missing'
62      other='Unknown';
63 run;
64
65 .....
66 proc freq data=pg2.storm_summary;
67     tables Basin*StartDate / norow nocol;
68     *Add a FORMAT statement;
69     format StartDate stdate. Basin $region.;
```