

Creating Custom Formats Based on Single Values

The **pg2.np_summary** table contains public use statistics from the National Park Service. The values of the **Reg** column represent park region as a code. Create a format that, when applied, displays full descriptive values for the regions with high frequency.

1. Open **p204p01.sas** from the **practices** folder. Submit the PROC FREQ step and review the output. Notice that regional codes are used, not descriptive values.
2. Modify the program.
 - Add a VALUE statement to the PROC FORMAT step to create a format named \$HIGHREG that defines the descriptive values shown below.

Code	Value
<i>IM</i>	<i>Intermountain</i>
<i>PW</i>	<i>Pacific West</i>
<i>SE</i>	<i>Southeast</i>
other codes	<i>All Other Regions</i>

- Add a FORMAT statement to the PROC FREQ step so that the \$HIGHREG format is applied to the **Reg** column.
- Submit the program and examine the output. Verify that the descriptive values for the **Reg** column are displayed.

```
proc format;
    value $highreg 'IM'='Intermountain'
                  'PW'='Pacific West'
                  'SE'='Southeast'
                  other='All Other Regions';
run;

title 'High Frequency Regions';
proc freq data=pg2.np_summary order=freq;
    tables Reg;
    label Reg='Region';
    format Reg $highreg.;
run;
title;
```