Level 2 Practice: Using Procedures to Validate Data

Practice Quiz • 20 min • 4 total points

1. If necessary, start SAS Studio before you begin. The **pg1.np_summary** table contains information about US national parks, monuments, preserves, rivers, and seashores. Valid values and descriptions for the columns **Reg** and **Type** are as follows: 1 / 1 point

Reg	Description	Type	Description
A	Alaska	NM	National Monument
IM	Intermountain	NP	National Park
MW	Midwest	NS	National Seashore
NC	National Capital	PRE	Preserve
NE	Northeast	RVR	National River
PW	Pacific West		
SE	Southeast		

Reminder: If you restarted your SAS session, you must run the **libname.sas** program created in Activity 2.04.

1. In a new program window, write a PROC FREQ step to produce frequency tables for the **Reg** and **Type** columns in the **pg1.np_summary** table.
2. Submit the step and look for invalid values.

Are there invalid values for **Reg**?

Are there invalid values for **Reg**?

- ○ Yes
- ◉ No

Correct
No invalid values exist for **Reg**.

```
proc freq data=pg1.np_summary;
    tables Reg Type;
run;
```

2. Are there invalid values for **Type**? 1 / 1 point

- ◉ Yes
- ○ No

Correct
NPRE, *PRESERVE*, and *RIVERWAYS* are invalid values for **Type**.

```
proc freq data=pg1.np_summary;
    tables Reg Type;
run;
```

3. 1. Write a PROC UNIVARIATE step to generate statistics for the **Acres** column in the **pg1.np_summary** table. 1 / 1 point
2. Submit the step.

What is the value of **Acres** for the smallest park? **Note**: Type a number for your answer.

0.35

Correct
The Extreme Observations table in the report indicates the smallest value for **Acres** is 0.35.

```
proc univariate data=pg1.np_summary;
    var Acres;
run;
```

4. 1. Find the observation number of the largest park in the PROC UNIVARIATE results. **1 / 1 point**
2. View the row for that observation number in the **pg1.np_summary** data.

What is the name of the largest park?

Noatak National Preserve

Correct
The largest park is observation 6, which is Noatak National Preserve with 6,587,071.39 acres.

```
proc univariate data=pg1.np_summary;
    var Acres;
run;
```