

Creating Multiple Output Tables Based on Group Values

The **pg2.np_acres** table contains acreage amounts for national parks. The park state is also provided. However, some parks span multiple states and therefore have multiple rows of data.

1. Create a new program.

- Write a DATA step that creates two tables, **singlestate** and **multistate**, from the **pg2.np_acres** table.
 - The **singlestate** table includes the rows with unique park names.
 - The **multistate** table includes the rows with park names that appear in multiple states.
- The parks should be grouped within their associated regions.
- When sorting the data, keep only the **Region**, **ParkName**, **State**, and **GrossAcres** columns.
- Submit the program and examine the output data.

```
proc sort data=pg2.np_acres
          out=sortedAcres(keep=Region ParkName State GrossAcres);
  by Region ParkName;
run;

data multiState singleState;
  set sortedAcres;
  by Region ParkName;
  if First.ParkName=1 and Last.ParkName=1
    then output singleState;
  else output multiState;
  format GrossAcres comma15.;
run;
```

2. How many rows are in the **singlestate** table?

The **singlestate** table has 367 rows.

3. In the **multistate** table, in which two states does the *Hovenweep NM* value appear for **ParkName**?

The park appears in both CO and UT.