Program Summary - 5 HW.sas

Execution Environment

Author: sasdemo

File: /folders/myshortcuts/STAT124/SASUniversityEdition/myfolders/5_HW.sas

SAS Platform: Linux LIN X64 2.6.32-696.20.1.el6.x86 64

SAS Host: LOCALHOST

SAS Version: 9.04.01M5P09132017

SAS Locale: en US

Submission Time: 9/12/2018, 8:03:13 PM

Browser Host: 10.0.2.2

User Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)

Chrome/68.0.3440.106 Safari/537.36

Application Server: LOCALHOST.LOCALDOMAIN

Code: 5 HW.sas

Clark Guy May 22999

```
/* simple data step */
data employees_sales;
   input lname $ fname $ month $ sales;
   datalines:
Jones Ted Jan 28500
Jones Ted Feb 31200
Jones Ted Mar 14500
Jones Ted Apr 23000
Jones Ted May 42670
Jones Ted Jun 52000
Jones Ted Jul 1200
Jones Ted Aug 13000
Jones Ted Sep 19500
Jones Ted Oct 18430
Jones Ted Nov 19230
Jones Ted Dec 68201
Hall Kim Jan 12500
Hall Kim Feb 13400
Hall Kim Mar 17800
Hall Kim Apr 21200
Hall Kim May 23900
Hall Kim Jun 24100
Hall Kim Jul 25200
Hall Kim Aug 23950
Hall Kim Sep 22200
Hall Kim Oct 21090
Hall Kim Nov 18040
Hall Kim Dec 14210
Clark Guy Jan 32101
Clark Guy Feb 43001
Clark Guy Mar 29050
Clark Guy Apr 25010
```

```
9/12/2018
 Clark Guy Jun 20500
```

```
Clark Guy Jul 21100
Clark Guy Aug 23400
Clark Guy Sep 27890
Clark Guy Oct 31090
Clark Guy Nov 52300
Clark Guy Dec 41230
Call Steve Jan 12090
Call Steve Feb 10901
Call Steve Mar 9080
Call Steve Apr 8541
Call Steve May 7521
Call Steve Jun 5300
Call Steve Jul 2510
Murphy Cori Jul 5700
Murphy Cori Aug 6900
Murphy Cori Sep 10200
Murphy Cori Oct 12050
Murphy Cori Nov 26800
Murphy Cori Dec 25963
Love Sue Jun 4800
Love Sue Jul 6900
Love Sue Aug 9500
Love Sue Sep 13420
Love Sue Oct 17890
Love Sue Nov 21090
Love Sue Dec 22500
/* sorted by sales */
proc sort data=employees sales out=employees sales sortSales;
    by descending sales;
run;
proc print data=employees_sales_sortSales noobs label; /* remembered to suppress obs */
    var lname sales;
    title 'Sales Report 1';
    label lname='Last Names';
    label sales='Sales';
/* sorted by last name */
proc sort data=employees sales out=employees sales sortLname;
    by lname;
run;
proc print data=employees_sales_sortLname noobs label; /* remembered to suppress obs */
    var lname sales;
    title 'Sales Report 2';
    label lname='Last Names';
    label sales='Sales';
/* sales average by lname */
proc means data=employees sales sortLname mean noprint;
    by lname;
    output out=results (drop=_TYPE__FREQ_)
```

```
mean=sales;
run;
proc print data=results noobs label;
    title 'Sales Average Report 1';
    label lname='Last Names';
    label sales='Sales';
run:
/* sales average (class) by lname */
proc means data=employees_sales mean noprint;
    class lname;
    output out=results (drop=_TYPE_ _FREQ_)
         mean=sales;
run;
proc print data=results noobs label;
    title 'Sales Average Report 2';
    label lname='Last Names';
    label sales='Sales';
Log: 5_HW.sas
Notes (20)
           OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
1
72
73
           /* simple data step */
74
           data employees_sales;
75
              input lname $ fname $ month $ sales;
76
              datalines;
NOTE: The data set WORK.EMPLOYEES_SALES has 56 observations and 4 variables.
NOTE: DATA statement used (Total process time):
                          0.00 seconds
      real time
      cpu time
                          0.00 seconds
133
134
           /* sorted by sales */
135
           proc sort data=employees sales out=employees sales sortSales;
136
           by descending sales;
137
138
           run;
NOTE: There were 56 observations read from the data set WORK.EMPLOYEES SALES.
NOTE: The data set WORK.EMPLOYEES_SALES_SORTSALES has 56 observations and 4 variables.
NOTE: PROCEDURE SORT used (Total process time):
                          0.00 seconds
      real time
      cpu time
                          0.00 seconds
139
           proc print data=employees sales sortSales noobs label; /* remembered to suppress obs */
140
           var lname sales;
141
142
           title 'Sales Report 1';
143
           label lname='Last Names';
           label sales='Sales';
144
```

cpu time

```
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  169
             /* sales average (class) by lname */
  170
  171
             proc means data=employees_sales mean noprint;
  172
             class lname;
  173
             output out=results (drop=_TYPE_ _FREQ_)
             mean=sales;
  174
  175
             run;
  NOTE: There were 56 observations read from the data set WORK.EMPLOYEES_SALES.
  NOTE: The data set WORK.RESULTS has 7 observations and 2 variables.
  NOTE: PROCEDURE MEANS used (Total process time):
                            0.00 seconds
        real time
        cpu time
                            0.01 seconds
  176
  177
             proc print data=results noobs label;
             title 'Sales Average Report 2';
  178
             label lname='Last Names';
  179
             label sales='Sales';
  180
  181
  182
             OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
  195
```

Results: 5_HW.sas

Sales Report 1

	Sales
Last Names	
Jones	68201
Clark	52300
Jones	52000
Clark	43001
Jones	42670
Clark	41230
Clark	32101
Jones	31200
Clark	31090
Clark	29050
Jones	28500
Clark	27890
Murphy	26800
Murphy	25963
Hall	25200
Clark	25010
Hall	24100
Hall	23950
Hall	23900
Clark	23400
Jones	23000
Clark	22999
Love	22500
Hall	22200
Hall	21200
Clark	21100
Hall	21090
Love	21090
Clark	20500
Jones	19500

Last Names	Sales
Jones	19230
Jones	18430
Hall	18040
Love	17890
Hall	17800
Jones	14500
Hall	14210
Love	13420
Hall	13400
Jones	13000
Hall	12500
Call	12090
Murphy	12050
Call	10901
Murphy	10200
Love	9500
Call	9080
Call	8541
Call	7521
Murphy	6900
Love	6900
Murphy	5700
Call	5300
Love	4800
Call	2510
Jones	1200

Sales Report 2

Last Names	Sales
Call	12090
Call	10901
Call	9080
Call	8541
Call	7521
Call	5300
Call	2510
Clark	32101
Clark	43001
Clark	29050
Clark	25010
Clark	22999
Clark	20500
Clark	21100
Clark	23400
Clark	27890
Clark	31090
Clark	52300
Clark	41230
Hall	12500
Hall	13400
Hall	17800
Hall	21200
Hall	23900
Hall	24100

Last Names	Sales
Hall	25200
Hall	23950
Hall	22200
Hall	21090
Hall	18040
Hall	14210
Jones	28500
Jones	31200
Jones	14500
Jones	23000
Jones	42670
Jones	52000
Jones	1200
Jones	13000
Jones	19500
Jones	18430
Jones	19230
Jones	68201
Love	4800
Love	6900
Love	9500
Love	13420
Love	17890
Love	21090
Love	22500
Murphy	5700
Murphy	6900
Murphy	10200
Murphy	12050
Murphy	26800
Murphy	25963

Sales Average Report 1

Last Names	Sales
Call	7991.86
Clark	30805.92
Hall	19799.17
Jones	27619.25
Love	13728.57
Murphy	14602.17

Sales Average Report 2

Last Names	Sales
	21041.93
Call	7991.86
Clark	30805.92
Hall	19799.17
Jones	27619.25
Love	13728.57
Murphy	14602.17