Program Summary - scanname 1.sas

Execution Environment

Author:	singhamit84670
File:	/home/singhamit84670/scanname 1.sas
SAS Platform:	Linux LIN X64 3.10.0-1062.4.1.el7.x86_64
SAS Host:	ODAWS02-APSE1.ODA.SAS.COM
SAS Version:	9.04.01M6P11072018
SAS Locale:	en_GB
Submission Time:	24/09/2022, 13:52:36
Browser Host:	103.61.252.13
User Agent:	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/105.0.0.0 Safari/537.36
Application Server:	ODAMID00-APSE1.ODA.SAS.COM

Code: scanname 1.sas

```
data amit;
input id name $28.;
cards;
1 Amit Kumar Singh Rajamuniam
2 Sumit Kumar Singh
3 Rahul Kumar Singh
4 Anil Kumar Singh
;
run;
```

```
data amit1;
set amit;
a=countw(name);
First_Name=scan(name,1,' ');
Last_Name=scan(name,a,' ');
run;
proc print data=amit1;
title1 "Input Data Set with Scan Partition";
run;
```

```
proc summary data=amit1;
var ID;
output out=a;
run;
```

```
Proc means data=amit1;
title1"Proc Means"
var ID;
run;
```

```
proc print data=a;
title1 "Proc Summary Output";
run;
```

```
proc freq data=amit1;
title1 "Proc Frequecy Output";
run;

proc univariate data=amit1;
title1 "Proc Univariate Output";
var ID;
run;
```

Log: scanname 1.sas

Warnings (1)

Notes (17)

```
1          OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
68
69         data amit;
70         input id name $28.;
71         cards;

NOTE: The data set WORK.AMIT has 4 observations and 2 variables.
NOTE: DATA statement used (Total process time):
      real time           0.00 seconds
      user cpu time       0.01 seconds
      system cpu time     0.00 seconds
      memory              781.21k
      OS Memory           27048.00k
      Timestamp           24/09/2022 08:22:35 AM
      Step Count                        385  Switch Count  2
      Page Faults                       0
      Page Reclaims                     120
      Page Swaps                        0
      Voluntary Context Switches        11
      Involuntary Context Switches      0
      Block Input Operations            0
      Block Output Operations           264


76         ;
77         run;
78
79         data amit1;
80         set amit;
81         a=countw(name);
82         First_Name=scan(name,1,' ');
83         Last_Name=scan(name,a,' ');
84         run;

NOTE: There were 4 observations read from the data set WORK.AMIT.
NOTE: The data set WORK.AMIT1 has 4 observations and 5 variables.
NOTE: DATA statement used (Total process time):
      real time           0.00 seconds
      user cpu time       0.00 seconds
      system cpu time     0.00 seconds
      memory              1059.00k
      OS Memory           27564.00k
      Timestamp           24/09/2022 08:22:35 AM
```

```
      Step Count                        386  Switch Count  2
      Page Faults                       0
      Page Reclaims                     153
      Page Swaps                        0
      Voluntary Context Switches        11
      Involuntary Context Switches      0
      Block Input Operations            0
      Block Output Operations           264


85         proc print data=amit1;
86         title1 "Input Data Set with Scan Partition";
87         run;

NOTE: There were 4 observations read from the data set WORK.AMIT1.
NOTE: PROCEDURE PRINT used (Total process time):
      real time           0.01 seconds
      user cpu time       0.02 seconds
      system cpu time     0.00 seconds
      memory              1512.37k
      OS Memory           27304.00k
      Timestamp           24/09/2022 08:22:35 AM
      Step Count                        387  Switch Count  1
      Page Faults                       0
      Page Reclaims                     78
      Page Swaps                        0
      Voluntary Context Switches        6
      Involuntary Context Switches      0
      Block Input Operations            0
      Block Output Operations           0


88
89         proc summary data=amit1;
90         var ID;
91         output out=a;
92         run;

NOTE: There were 4 observations read from the data set WORK.AMIT1.
NOTE: The data set WORK.A has 5 observations and 4 variables.
NOTE: PROCEDURE SUMMARY used (Total process time):
      real time           0.00 seconds
      user cpu time       0.00 seconds
      system cpu time     0.01 seconds
      memory              7093.37k
      OS Memory           33744.00k
      Timestamp           24/09/2022 08:22:35 AM
      Step Count                        388  Switch Count  3
      Page Faults                       0
      Page Reclaims                     1678
      Page Swaps                        0
      Voluntary Context Switches        30
      Involuntary Context Switches      0
      Block Input Operations            0
      Block Output Operations           264


93
94         Proc means data=amit1;
95         title1"Proc Means"
96         var ID;
WARNING: The TITLE statement is ambiguous due to invalid options or unquoted text.
```

```
97         run;

NOTE: There were 4 observations read from the data set WORK.AMIT1.
NOTE: PROCEDURE MEANS used (Total process time):
      real time           0.02 seconds
      user cpu time       0.02 seconds
      system cpu time     0.00 seconds
      memory              7338.78k
      OS Memory           33212.00k
      Timestamp           24/09/2022 08:22:35 AM
      Step Count                        389  Switch Count  2
      Page Faults                       0
      Page Reclaims                     1523
      Page Swaps                        0
      Voluntary Context Switches        22
      Involuntary Context Switches      0
      Block Input Operations            0
      Block Output Operations           0


98
99
100        proc print data=a;
101        title1 "Proc Summary Output";
102        run;

NOTE: There were 5 observations read from the data set WORK.A.
NOTE: PROCEDURE PRINT used (Total process time):
      real time           0.01 seconds
      user cpu time       0.01 seconds
      system cpu time     0.00 seconds
      memory              674.53k
      OS Memory           28072.00k
      Timestamp           24/09/2022 08:22:35 AM
      Step Count                        390  Switch Count  1
      Page Faults                       0
      Page Reclaims                     61
      Page Swaps                        0
      Voluntary Context Switches        9
      Involuntary Context Switches      0
      Block Input Operations            0
      Block Output Operations           0


103        proc freq data=amit1;
104        title1 "Proc Frequecy Output";
105        run;

NOTE: There were 4 observations read from the data set WORK.AMIT1.
NOTE: PROCEDURE FREQ used (Total process time):
      real time           0.04 seconds
      user cpu time       0.04 seconds
      system cpu time     0.00 seconds
      memory              970.21k
      OS Memory           28332.00k
      Timestamp           24/09/2022 08:22:35 AM
      Step Count                        391  Switch Count  3
      Page Faults                       0
      Page Reclaims                     124
      Page Swaps                        0
      Voluntary Context Switches        26
      Involuntary Context Switches      1
```

```
      Block Input Operations            0
      Block Output Operations           280


106
107         proc univariate data=amit1;
108         title1 "Proc Univariate Output";
109         var ID;
110         run;

NOTE: PROCEDURE UNIVARIATE used (Total process time):
      real time           0.04 seconds
      user cpu time       0.05 seconds
      system cpu time     0.00 seconds
      memory              1003.84k
      OS Memory           28072.00k
      Timestamp           24/09/2022 08:22:35 AM
      Step Count                        392  Switch Count  1
      Page Faults                       0
      Page Reclaims                     54
      Page Swaps                        0
      Voluntary Context Switches        9
      Involuntary Context Switches      0
      Block Input Operations            0
      Block Output Operations           16


111
112         OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
122
```

Results: scanname 1.sas

Input Data Set with Scan Partition

Obs	id	name	a	First_Name	Last_Name
1	1	Amit Kumar Singh Rajamuniam	4	Amit	Rajamuniam
2	2	Sumit Kumar Singh	3	Sumit	Singh
3	3	Rahul Kumar Singh	3	Rahul	Singh
4	4	Anil Kumar Singh	3	Anil	Singh

Proc Means var ID

The MEANS Procedure

Variable	N	Mean	Std Dev	Minimum	Maximum
id	4	2.5000000	1.2909944	1.0000000	4.0000000
a	4	3.2500000	0.5000000	3.0000000	4.0000000

Proc Summary Output

Obs	_TYPE_	_FREQ_	_STAT_	id
1	0	4	N	4.00000
2	0	4	MIN	1.00000
3	0	4	MAX	4.00000
4	0	4	MEAN	2.50000
5	0	4	STD	1.29099

Proc Frequecy Output

The FREQ Procedure

id	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	1	25.00	1	25.00
2	1	25.00	2	50.00
3	1	25.00	3	75.00
4	1	25.00	4	100.00

name	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Amit Kumar Singh Rajamuniam	1	25.00	1	25.00
Anil Kumar Singh	1	25.00	2	50.00
Rahul Kumar Singh	1	25.00	3	75.00
Sumit Kumar Singh	1	25.00	4	100.00

a	Frequency	Percent	Cumulative Frequency	Cumulative Percent
3	3	75.00	3	75.00
4	1	25.00	4	100.00

First_Name	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Amit	1	25.00	1	25.00
Anil	1	25.00	2	50.00
Rahul	1	25.00	3	75.00
Sumit	1	25.00	4	100.00

Last_Name	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Rajamuniam	1	25.00	1	25.00
Singh	3	75.00	4	100.00

Proc Univariate Output

The UNIVARIATE Procedure
Variable: id

Moments			
N	4	Sum Weights	4
Mean	2.5	Sum Observations	10
Std Deviation	1.29099445	Variance	1.66666667
Skewness	0	Kurtosis	-1.2
Uncorrected SS	30	Corrected SS	5
Coeff Variation	51.6397779	Std Error Mean	0.64549722

Basic Statistical Measures			
Location		Variability	
Mean	2.500000	Std Deviation	1.29099
Median	2.500000	Variance	1.66667
Mode	.	Range	3.00000
		Interquartile Range	2.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	3.872983	Pr > |t|	0.0305
Sign	M	2	Pr >= |M|	0.1250
Signed Rank	S	5	Pr >= |S|	0.1250

Quantiles (Definition 5)	
Level	Quantile
100% Max	4.0
99%	4.0
95%	4.0
90%	4.0
75% Q3	3.5
50% Median	2.5
25% Q1	1.5
10%	1.0
5%	1.0
1%	1.0
0% Min	1.0

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4