Problem 4.11 #3

**Program Summary - mytest2.sas**

**Execution Environment**

|  |  |
| --- | --- |
| Author: | nilunra@gmail.com |
| File: | /home/nilunra0/mytest2.sas |
| SAS Platform: | Linux LIN X64 3.10.0-693.21.1.el7.x86\_64 |
| SAS Host: | ODAWS04.ODA.SAS.COM |
| SAS Version: | 9.04.01M5P09132017 |
| SAS Locale: | en\_US |
| Submission Time: | 4/9/2018, 8:06:38 PM |
| Browser Host: | IP70-171-183-204.OM.OM.COX.NET |
| User Agent: | Mozilla/5.0 (Macintosh; Intel Mac OS X 10\_12\_6) AppleWebKit/603.3.8 (KHTML, like Gecko) Version/10.1.2 Safari/603.3.8 |
| Application Server: | ODAMID00-PROD-US.ODA.SAS.COM |

**Code: mytest2.sas**

/\*Nilupul Rathgama\*/

LIBNAME SURVEY07 '/courses/d1612de5ba27fe300/Wks 3\_4/filename';

**data** SURVEY07 ;

input Age Gender $ (Ques1-Ques5)($1.);

datalines;

23 M 15243

30 F 11123

42 M 23555

48 F 55541

55 F 42232

62 F 33333

68 M 44122

;

**run**;

**proc** **means** data= SURVEY07;

var Age;

**run**;

**Log: mytest2.sas**

Notes (5)

1 OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;

70

71 /\*Nilupul Rathgama\*/

72

73 LIBNAME SURVEY07 '/courses/d1612de5ba27fe300/Wks 3\_4/filename';

NOTE: Library SURVEY07 does not exist.

74

75

76 data SURVEY07 ;

77

78 input Age Gender $ (Ques1-Ques5)($1.);

79

80 datalines;

NOTE: The data set WORK.SURVEY07 has 7 observations and 7 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 525.96k

OS Memory 27816.00k

Timestamp 04/10/2018 01:06:38 AM

Step Count 32 Switch Count 2

Page Faults 0

Page Reclaims 137

Page Swaps 0

Voluntary Context Switches 10

Involuntary Context Switches 0

Block Input Operations 0

Block Output Operations 264

88 ;

89 run;

90

91

92 proc means data= SURVEY07;

93

94 var Age;

95

96 run;

NOTE: There were 7 observations read from the data set WORK.SURVEY07.

NOTE: PROCEDURE MEANS used (Total process time):

real time 0.02 seconds

user cpu time 0.02 seconds

system cpu time 0.01 seconds

memory 8230.46k

OS Memory 35276.00k

Timestamp 04/10/2018 01:06:38 AM

Step Count 33 Switch Count 0

Page Faults 0

Page Reclaims 1839

Page Swaps 0

Voluntary Context Switches 15

Involuntary Context Switches 1

Block Input Operations 0

Block Output Operations 8

97

98

99

100

101 OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;

113

**Results: mytest2.sas**

**The MEANS Procedure**

| **Analysis Variable : Age** | | | | |
| --- | --- | --- | --- | --- |
| **N** | **Mean** | **Std Dev** | **Minimum** | **Maximum** |
| 7 | 46.8571429 | 16.4360232 | 23.0000000 | 68.0000000 |

Problem 5.9 #1

### Program Summary - Q5.9 #1.sas

### Execution Environment

|  |  |
| --- | --- |
| Author: | nilunra@gmail.com |
| File: | /home/nilunra0/Q5.9 #1.sas |
| SAS Platform: | Linux LIN X64 3.10.0-693.21.1.el7.x86\_64 |
| SAS Host: | ODAWS04.ODA.SAS.COM |
| SAS Version: | 9.04.01M5P09132017 |
| SAS Locale: | en\_US |
| Submission Time: | 4/16/2018, 9:59:08 PM |
| Browser Host: | IP70-171-183-204.OM.OM.COX.NET |
| User Agent: | Mozilla/5.0 (Macintosh; Intel Mac OS X 10\_12\_6) AppleWebKit/603.3.8 (KHTML, like Gecko) Version/10.1.2 Safari/603.3.8 |
| Application Server: | ODAMID00-PROD-US.ODA.SAS.COM |

### Code: Q5.9 #1.sas

/\*Nilupul Rathgama\*/

**data** voter;

libname ban500 '/home/nilunra0/my\_courses';

input Age Party: $1.(Ques1-Ques4)

($1. + **1**);

datalines;

23 D 1 1 2 2

45 R 5 5 4 1

67 D 2 4 3 3

39 R 4 4 4 4

19 D 2 1 2 1

75 D 3 3 2 3

57 R 4 3 4 4

;

**run**;

**proc** **print** data=voter;

**run**;

**proc** **freq** data=voter;

**run**;

Value agegrp low-**30** = "0 to 30’

31-50 = "**31** to **50**’

**51**-**70** = "51 to 70’

71-high = "**71** and older’;

Value $party **"D’ = "D**emocrat'

"R’ = "Republican’;

Value $Likert "1’= "Strongly Disagree’

"2’= "Disagree’

"3’= "No Opinion’

"4’= "Agree’

"5’= "Strongly Agree’ ;

run;

data voter;

run;

label Ques1= "The president is doing a good job’

Ques2= "Congress is doing a good job’

Ques3= "Taxes are too high’

Ques4= "Government should cut spending’;

run;

format Age agegrp.

Party $party.

Ques1-Ques4.

$Likert.;

run;

title "Listing of Voters";

proc print data=voter label;

length age party $1. (Ques1-Ques4)($1. + 1);

label agegrp = 'Age'

party$ = 'party';

title "Frequencies on the Four Questions";

proc freq data = voters order=formatted;

tables label;

run;

### Log: Q5.9 #1.sas

Errors (2)

Notes (15)

1 OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;

70

71 /\*Nilupul Rathgama\*/

72

73 data voter;

74

75 libname ban500 '/home/nilunra0/my\_courses';

NOTE: Libref BAN500 was successfully assigned as follows:

Engine: V9

Physical Name: /home/nilunra0/my\_courses

76 input Age Party: $1.(Ques1-Ques4)

77 ($1. + 1);

78 datalines;

NOTE: The data set WORK.VOTER has 7 observations and 6 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 556.96k

OS Memory 27048.00k

Timestamp 04/17/2018 02:59:06 AM

Step Count 18 Switch Count 4

Page Faults 0

Page Reclaims 293

Page Swaps 0

Voluntary Context Switches 23

Involuntary Context Switches 0

Block Input Operations 0

Block Output Operations 264

86 ;

87 run;

88

89

90 proc print data=voter;

91

92 run;

NOTE: There were 7 observations read from the data set WORK.VOTER.

NOTE: PROCEDURE PRINT used (Total process time):

real time 0.02 seconds

user cpu time 0.02 seconds

system cpu time 0.00 seconds

memory 1667.25k

OS Memory 28328.00k

Timestamp 04/17/2018 02:59:06 AM

Step Count 19 Switch Count 0

Page Faults 0

Page Reclaims 692

Page Swaps 0

Voluntary Context Switches 0

Involuntary Context Switches 0

Block Input Operations 0

Block Output Operations 0

93

94

94 ! proc freq data=voter;

95

96 run;

NOTE: There were 7 observations read from the data set WORK.VOTER.

NOTE: PROCEDURE FREQ used (Total process time):

real time 0.06 seconds

user cpu time 0.07 seconds

system cpu time 0.00 seconds

memory 1579.37k

OS Memory 29356.00k

Timestamp 04/17/2018 02:59:06 AM

Step Count 20 Switch Count 2

Page Faults 0

Page Reclaims 528

Page Swaps 0

Voluntary Context Switches 12

Involuntary Context Switches 0

Block Input Operations 0

Block Output Operations 288

97

98 Value agegrplow-30 = "0 to 30’

\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

180 49

ERROR 180-322: Statement is not valid or it is used out of proper order.

NOTE 49-169: The meaning of an identifier after a quoted string might change in a future SAS release. Inserting white space

between a quoted string and the succeeding identifier is recommended.

99 31-50 = "31 to 50’

100 51-70 =

100 ! "

\_

49

100 ! 51 to 70’

NOTE 49-169: The meaning of an identifier after a quoted string might change in a future SAS release. Inserting white space

between a quoted string and the succeeding identifier is recommended.

101 71-high = "71 and older’;

102

103 Value $party"D’ = "Democrat'

\_\_\_\_\_

180

ERROR 180-322: Statement is not valid or it is used out of proper order.

104 "R’ = "Republican’;

105

106

107 Value $Likert"1’= "Strongly Disagree’

108 "2’= "Disagree’

109 "3’= "No Opinion’

110 "4’= "Agree’

111 "5’= "Strongly Agree’ ;

112 run;

113

114 data voter;

115

116 run;

117 labelQues1= "The president is doing a good job’

118 Ques2= "Congress is doing a good job’

NOTE: The quoted string currently being processed has become more than 262 bytes long. You might have unbalanced quotation marks.

119 Ques3= "Taxes are too high’

120 Ques4= "Government should cut spending’;

121 run;

122

123 format Age agegrp.

124 Party $party.

125 Ques1-Ques4.

126 $Likert.;

127 run;

128

129

130

131 title "Listing of Voters";

132

103 Value $party"D’ = "Democrat'

\_

49

NOTE 49-169: The meaning of an identifier after a quoted string might change in a future SAS release. Inserting white space

between a quoted string and the succeeding identifier is recommended.

133 proc print data=voter label;

134

135 length age party $1. (Ques1-Ques4)($1. + 1);

136

137 label agegrp = 'Age'

\_\_\_\_\_\_\_\_\_\_\_\_

49

NOTE 49-169: The meaning of an identifier after a quoted string might change in a future SAS release. Inserting white space

between a quoted string and the succeeding identifier is recommended.

138 party$ = 'party';

139

140

141 title "Frequencies on the Four Questions";

142 proc freq data = voters order=formatted;

143 tables label;

144

145 run;

146

147

148

149

150 OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;

151 ODS HTML CLOSE;

152 &GRAPHTERM; ;\*';

152 ! \*";\*/;RUN;QUIT;

153 QUIT;RUN;

154 ODS HTML5 (ID=WEB) CLOSE;

155

156 ODS PDF (ID=WEB) CLOSE;

NOTE: ODS PDF(WEB) printed 3 pages to /saswork/SAS\_work619100013EAE\_odaws01-prod-us/#LN00016.

157 FILENAME \_GSFNAME;

NOTE: Fileref \_GSFNAME has been deassigned.

158 DATA \_NULL\_;

159 RUN;

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 332.00k

OS Memory 22696.00k

Timestamp 04/17/2018 02:59:06 AM

Step Count 21 Switch Count 0

Page Faults 0

Page Reclaims 26

Page Swaps 0

Voluntary Context Switches 0

Involuntary Context Switches 0

Block Input Operations 0

Block Output Operations 0

160 OPTIONS VALIDMEMNAME=COMPAT;

161 OPTIONS NOTES STIMER SOURCE SYNTAXCHECK;

162

### Results: Q5.9 #1.sas

| **Obs** | **Age** | **Party** | **Ques1** | **Ques2** | **Ques3** | **Ques4** |
| --- | --- | --- | --- | --- | --- | --- |
| **1** | 23 | D | 1 | 1 | 2 | 2 |
| **2** | 45 | R | 5 | 5 | 4 | 1 |
| **3** | 67 | D | 2 | 4 | 3 | 3 |
| **4** | 39 | R | 4 | 4 | 4 | 4 |
| **5** | 19 | D | 2 | 1 | 2 | 1 |
| **6** | 75 | D | 3 | 3 | 2 | 3 |
| **7** | 57 | R | 4 | 3 | 4 | 4 |

**The FREQ Procedure**

| **Age** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| --- | --- | --- | --- | --- |
| **19** | 1 | 14.29 | 1 | 14.29 |
| **23** | 1 | 14.29 | 2 | 28.57 |
| **39** | 1 | 14.29 | 3 | 42.86 |
| **45** | 1 | 14.29 | 4 | 57.14 |
| **57** | 1 | 14.29 | 5 | 71.43 |
| **67** | 1 | 14.29 | 6 | 85.71 |
| **75** | 1 | 14.29 | 7 | 100.00 |

| **Party** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| --- | --- | --- | --- | --- |
| **D** | 4 | 57.14 | 4 | 57.14 |
| **R** | 3 | 42.86 | 7 | 100.00 |

| **Ques1** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| --- | --- | --- | --- | --- |
| **1** | 1 | 14.29 | 1 | 14.29 |
| **2** | 2 | 28.57 | 3 | 42.86 |
| **3** | 1 | 14.29 | 4 | 57.14 |
| **4** | 2 | 28.57 | 6 | 85.71 |
| **5** | 1 | 14.29 | 7 | 100.00 |

| **Ques2** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| --- | --- | --- | --- | --- |
| **1** | 2 | 28.57 | 2 | 28.57 |
| **3** | 2 | 28.57 | 4 | 57.14 |
| **4** | 2 | 28.57 | 6 | 85.71 |
| **5** | 1 | 14.29 | 7 | 100.00 |

| **Ques3** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| --- | --- | --- | --- | --- |
| **2** | 3 | 42.86 | 3 | 42.86 |
| **3** | 1 | 14.29 | 4 | 57.14 |
| **4** | 3 | 42.86 | 7 | 100.00 |

| **Ques4** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| --- | --- | --- | --- | --- |
| **1** | 2 | 28.57 | 2 | 28.57 |
| **2** | 1 | 14.29 | 3 | 42.86 |
| **3** | 2 | 28.57 | 5 | 71.43 |
| **4** | 2 | 28.57 | 7 | 100.00 |

Problem 5.9 #2

**Code: mytest2.sas**

/\*Nilupul Rathgama\*/

**data** voter;

libname ban500 '/home/nilunra0/my\_courses';

input Age Party: $1.(Ques1-Ques4)

($1. + **1**);

datalines;

23 D 1 1 1 1

45 R 3 3 3 1

67 D 1 3 2 2

39 R 3 3 3 3

19 D 1 1 1 1

75 D 2 2 1 2

57 R 2 2 3 3

;

**run**;

**proc** **print** data=voter;

**run**;

**proc** **freq** data=voter;

**run**;

Value agegrp low-**30** = "0 to 30’

31-50 = "**31** to **50**’

**51**-**70** = "51 to 70’

71-high = "**71** and older’;

**run**;

Value $party **"D’ = "D**emocrat';

"R’ = "Republican’;

run;

Value $Likert "1’= "Generally disagree’

"2’= "No Opinion’

"3’= "Strongly Agree’ ;

run;

label Ques1= "The president is doing a good job’

Ques2= "Congress is doing a good job’

Ques3= "Taxes are too high’

Ques4= "Government should cut spending’;

run;

format Age agegrp.

Party $party.

Ques1-Ques4.

$Likert.;

run;

title "Listing of Voters";

proc print label data=voter ;

length age party $1. (Ques1-Ques4)($1. + 1);

run;

label agegrp = 'Age'

party$ = 'party';

run;

title "Frequencies on the Four Questions";

proc freq data = voters order=formatted;

tables label;

run;

/\*Nilupul Rathgama\*/

**data** voter;

libname ban500 '/home/nilunra0/my\_courses';

input Age Party: $1.(Ques1-Ques4)

($1. + **1**);

datalines;

23 D 1 1 1 1

45 R 3 3 3 1

67 D 1 3 2 2

39 R 3 3 3 3

19 D 1 1 1 1

75 D 2 2 1 2

57 R 2 2 3 3

;

**run**;

**proc** **print** data=voter;

**run**;

**proc** **freq** data=voter;

**run**;

Value agegrp low-**30** = "0 to 30’

31-50 = "**31** to **50**’

**51**-**70** = "51 to 70’

71-high = "**71** and older’;

**run**;

Value $party **"D’ = "D**emocrat';

"R’ = "Republican’;

run;

Value $Likert "1’= "Generally disagree’

"2’= "No Opinion’

"3’= "Strongly Agree’ ;

run;

label Ques1= "The president is doing a good job’

Ques2= "Congress is doing a good job’

Ques3= "Taxes are too high’

Ques4= "Government should cut spending’;

run;

format Age agegrp.

Party $party.

Ques1-Ques4.

$Likert.;

run;

title "Listing of Voters";

proc print label data=voter ;

length age party $1. (Ques1-Ques4)($1. + 1);

run;

label agegrp = 'Age'

party$ = 'party';

run;

title "Frequencies on the Four Questions";

proc freq data = voters order=formatted;

tables label;

run;

**Log: mytest2.sas**

Notes (4)

1 OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;

70

71 proc print data=voter;

72

73 run;

NOTE: There were 7 observations read from the data set WORK.VOTER.

NOTE: PROCEDURE PRINT used (Total process time):

real time 0.02 seconds

user cpu time 0.02 seconds

system cpu time 0.00 seconds

memory 1609.84k

OS Memory 29096.00k

Timestamp 04/17/2018 03:56:34 AM

Step Count 133 Switch Count 0

Page Faults 0

Page Reclaims 165

Page Swaps 0

Voluntary Context Switches 0

Involuntary Context Switches 0

Block Input Operations 0

Block Output Operations 8

74

75

75 ! proc freq data=voter;

76

77 run;

NOTE: There were 7 observations read from the data set WORK.VOTER.

NOTE: PROCEDURE FREQ used (Total process time):

real time 0.06 seconds

user cpu time 0.07 seconds

system cpu time 0.00 seconds

memory 1451.06k

OS Memory 30124.00k

Timestamp 04/17/2018 03:56:34 AM

Step Count 134 Switch Count 2

Page Faults 0

Page Reclaims 268

Page Swaps 0

Voluntary Context Switches 9

Involuntary Context Switches 0

Block Input Operations 0

Block Output Operations 280

78

79 OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;

91

**Results: mytest2.sas**

| **Obs** | **Age** | **Party** | **Ques1** | **Ques2** | **Ques3** | **Ques4** |
| --- | --- | --- | --- | --- | --- | --- |
| **1** | 23 | D | 1 | 1 | 1 | 1 |
| **2** | 45 | R | 3 | 3 | 3 | 1 |
| **3** | 67 | D | 1 | 3 | 2 | 2 |
| **4** | 39 | R | 3 | 3 | 3 | 3 |
| **5** | 19 | D | 1 | 1 | 1 | 1 |
| **6** | 75 | D | 2 | 2 | 1 | 2 |
| **7** | 57 | R | 2 | 2 | 3 | 3 |

**The FREQ Procedure**

| **Age** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| --- | --- | --- | --- | --- |
| **19** | 1 | 14.29 | 1 | 14.29 |
| **23** | 1 | 14.29 | 2 | 28.57 |
| **39** | 1 | 14.29 | 3 | 42.86 |
| **45** | 1 | 14.29 | 4 | 57.14 |
| **57** | 1 | 14.29 | 5 | 71.43 |
| **67** | 1 | 14.29 | 6 | 85.71 |
| **75** | 1 | 14.29 | 7 | 100.00 |

| **Party** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| --- | --- | --- | --- | --- |
| **D** | 4 | 57.14 | 4 | 57.14 |
| **R** | 3 | 42.86 | 7 | 100.00 |

| **Ques1** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| --- | --- | --- | --- | --- |
| **1** | 3 | 42.86 | 3 | 42.86 |
| **2** | 2 | 28.57 | 5 | 71.43 |
| **3** | 2 | 28.57 | 7 | 100.00 |

| **Ques2** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| --- | --- | --- | --- | --- |
| **1** | 2 | 28.57 | 2 | 28.57 |
| **2** | 2 | 28.57 | 4 | 57.14 |
| **3** | 3 | 42.86 | 7 | 100.00 |

| **Ques3** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| --- | --- | --- | --- | --- |
| **1** | 3 | 42.86 | 3 | 42.86 |
| **2** | 1 | 14.29 | 4 | 57.14 |
| **3** | 3 | 42.86 | 7 | 100.00 |

| **Ques4** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| --- | --- | --- | --- | --- |
| **1** | 3 | 42.86 | 3 | 42.86 |
| **2** | 2 | 28.57 | 5 | 71.43 |
| **3** | 2 | 28.57 | 7 | 100.00 |

Problem 5.9 #3

Initial attempt

### Program Summary - Problem 5.9 #3.sas

### Execution Environment

|  |  |
| --- | --- |
| Author: | nilunra@gmail.com |
| File: | /home/nilunra0/Problem 5.9 #3.sas |
| SAS Platform: | Linux LIN X64 3.10.0-693.21.1.el7.x86\_64 |
| SAS Host: | ODAWS02.ODA.SAS.COM |
| SAS Version: | 9.04.01M5P09132017 |
| SAS Locale: | en\_US |
| Submission Time: | 4/10/2018, 2:35:32 AM |
| Browser Host: | IP70-171-183-204.OM.OM.COX.NET |
| User Agent: | Mozilla/5.0 (Macintosh; Intel Mac OS X 10\_12\_6) AppleWebKit/603.3.8 (KHTML, like Gecko) Version/10.1.2 Safari/603.3.8 |
| Application Server: | ODAMID00-PROD-US.ODA.SAS.COM |

### Code: Problem 5.9 #3.sas

/\*Nilupul Rathgama for BAN500\*/

/\*Problem 5.9 #3\*/

libname ban500 '/home/nilunra0/my\_courses';

**data** color;

input color : $1. @@;

datalines;

R R B G Y Y .. B G R B G Y P O O V V B

;

**run**;

**Proc** **format**;

Value $color R,B,G = ‘Group **1**’;

Y,O = ‘Group **2**’;

‘ ’ = ‘Not Given’;

other = ‘Group **3**‘;

**run**;

title "Frequency of Color Groups";

**proc** **freq** data = color;

table color/ missing;

format color $color.;

**run**;

### Log: Problem 5.9 #3.sas

Errors (3)

Notes (10)

1 OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;

70

71 /\*Nilupul Rathgama for BAN500\*/

72 /\*Problem 5.9 #3\*/

73

74 libname ban500 '/home/nilunra0/my\_courses';

NOTE: Libref BAN500 was successfully assigned as follows:

Engine: V9

Physical Name: /home/nilunra0/my\_courses

75

76 data color;

77

78 input color : $1. @@;

79

80

81 datalines;

NOTE: SAS went to a new line when INPUT statement reached past the end of a line.

NOTE: The data set WORK.COLOR has 19 observations and 1 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 422.15k

OS Memory 31652.00k

Timestamp 04/10/2018 07:35:32 AM

Step Count 515 Switch Count 2

Page Faults 0

Page Reclaims 68

Page Swaps 0

Voluntary Context Switches 9

Involuntary Context Switches 0

Block Input Operations 0

Block Output Operations 160

85 ;

86

87 run;

88

89

90 Proc format;

91

92

92 ! Value $color R,B,G= ‘Group 1’;

NOTE: Format $COLOR is already on the library WORK.FORMATS.

NOTE: Format $COLOR has been output.

93

93 ! 'Y,O'= ‘Group 2’;

\_\_\_\_\_

180

ERROR 180-322: Statement is not valid or it is used out of proper order.

NOTE: The previous statement has been deleted.

94

94 ! ‘ ’ = ‘Not Given’;

\_\_\_

217

ERROR 217-322: Invalid statement due to first character being unprintable (hexadecimal representation: E28098).

NOTE: The previous statement has been deleted.

95

95 ! other= ‘Group 3‘;

\_\_\_\_\_

180

ERROR 180-322: Statement is not valid or it is used out of proper order.

NOTE: The previous statement has been deleted.

96

97 run;

NOTE: PROCEDURE FORMAT used (Total process time):

real time 0.00 seconds

user cpu time 0.00 seconds

system cpu time 0.00 seconds

memory 99.18k

OS Memory 31652.00k

Timestamp 04/10/2018 07:35:32 AM

Step Count 516 Switch Count 0

Page Faults 0

Page Reclaims 14

Page Swaps 0

Voluntary Context Switches 0

Involuntary Context Switches 0

Block Input Operations 0

Block Output Operations 32

NOTE: The SAS System stopped processing this step because of errors.

98

99

100

101

102 title "Frequency of Color Groups";

103 proc freq data = color;

104 table color/ missing;

105 format color $color.;

106

107 run;

NOTE: There were 19 observations read from the data set WORK.COLOR.

NOTE: PROCEDURE FREQ used (Total process time):

real time 0.02 seconds

user cpu time 0.03 seconds

system cpu time 0.00 seconds

memory 2490.25k

OS Memory 32936.00k

Timestamp 04/10/2018 07:35:32 AM

Step Count 517 Switch Count 2

Page Faults 0

Page Reclaims 272

Page Swaps 0

Voluntary Context Switches 9

Involuntary Context Switches 1

Block Input Operations 0

Block Output Operations 272

108

109

110 OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;

122

### Results: Problem 5.9 #3.sas

**Frequency of Color Groups**

**The FREQ Procedure**

| **color** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| --- | --- | --- | --- | --- |
| **.** | 1 | 5.26 | 1 | 5.26 |
| **‘Group 1’** | 10 | 52.63 | 11 | 57.89 |
| **O** | 2 | 10.53 | 13 | 68.42 |
| **P** | 1 | 5.26 | 14 | 73.68 |
| **V** | 2 | 10.53 | 16 | 84.21 |
| **Y** | 3 | 15.79 | 19 | 100.00 |

Another attempt after fixing most of the codes

### Program Summary - Problem 5.9 #3.sas

### Execution Environment

|  |  |
| --- | --- |
| Author: | nilunra@gmail.com |
| File: | /home/nilunra0/Problem 5.9 #3.sas |
| SAS Platform: | Linux LIN X64 3.10.0-693.21.1.el7.x86\_64 |
| SAS Host: | ODAWS01.ODA.SAS.COM |
| SAS Version: | 9.04.01M5P09132017 |
| SAS Locale: | en\_US |
| Submission Time: | 4/16/2018, 9:22:27 PM |
| Browser Host: | IP70-171-183-204.OM.OM.COX.NET |
| User Agent: | Mozilla/5.0 (Macintosh; Intel Mac OS X 10\_12\_6) AppleWebKit/603.3.8 (KHTML, like Gecko) Version/10.1.2 Safari/603.3.8 |
| Application Server: | ODAMID00-PROD-US.ODA.SAS.COM |

### Code: Problem 5.9 #3.sas

/\*Nilupul Rathgama for BAN500\*/

/\*Problem 5.9 #3\*/

libname ban500 '/home/nilunra0/my\_courses';

**Proc** **format**;

Value $color "R,B,G' = "Group **1**’

"Y,O' = "Group **2**’

" " = "Not Given’

other = "Group **3**‘;

**run**;

**data** colors;

input color : $1. @@;

datalines;

R R B G Y Y . B G R B G Y P O O V V B

;

**run**;

title "Frequency of Color Groups";

**proc** **freq** data = colors order=freq;

tables color/ missing;

**run**;

title "Frequency of Color Groups";

**proc** **freq** data = colors order=formatted;

tables color/ missing;

**run**;

### Log: Problem 5.9 #3.sas

Notes (10)

1 OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;

70

71 /\*Nilupul Rathgama for BAN500\*/

72 /\*Problem 5.9 #3\*/

73

74 libname ban500 '/home/nilunra0/my\_courses';

NOTE: Libref BAN500 was successfully assigned as follows:

Engine: V9

Physical Name: /home/nilunra0/my\_courses

75

76 Proc format;

77

78

78 ! Value $color "R,B,G'= "Group 1’

\_\_\_\_\_\_\_\_\_\_\_

49

79 "Y,O'= "Group 2’

\_\_\_\_\_\_\_\_\_

49

80 " " =

80 ! "

\_

49

80 ! Not Given’

NOTE 49-169: The meaning of an identifier after a quoted string might change in a future SAS release. Inserting white space

between a quoted string and the succeeding identifier is recommended.

81 other= "Group 3‘;

NOTE: Format $COLOR is already on the library WORK.FORMATS.

NOTE: Format $COLOR has been output.

82 run;

NOTE: PROCEDURE FORMAT used (Total process time):

real time 0.00 seconds

user cpu time 0.00 seconds

system cpu time 0.00 seconds

memory 99.21k

OS Memory 27556.00k

Timestamp 04/17/2018 02:22:25 AM

Step Count 27 Switch Count 0

Page Faults 0

Page Reclaims 26

Page Swaps 0

Voluntary Context Switches 0

Involuntary Context Switches 0

Block Input Operations 0

Block Output Operations 0

83

84 data colors;

85

86 input color : $1. @@;

87

88 datalines;

NOTE: SAS went to a new line when INPUT statement reached past the end of a line.

NOTE: The data set WORK.COLORS has 19 observations and 1 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 422.56k

OS Memory 27812.00k

Timestamp 04/17/2018 02:22:25 AM

Step Count 28 Switch Count 2

Page Faults 0

Page Reclaims 57

Page Swaps 0

Voluntary Context Switches 10

Involuntary Context Switches 0

Block Input Operations 0

Block Output Operations 160

92 ;

93

94 run;

95

96 title "Frequency of Color Groups";

97 proc freq data = colors order=freq;

98 tables color/ missing;

99

100 run;

NOTE: There were 19 observations read from the data set WORK.COLORS.

NOTE: PROCEDURE FREQ used (Total process time):

real time 0.02 seconds

user cpu time 0.03 seconds

system cpu time 0.00 seconds

memory 2512.59k

OS Memory 29608.00k

Timestamp 04/17/2018 02:22:25 AM

Step Count 29 Switch Count 2

Page Faults 0

Page Reclaims 401

Page Swaps 0

Voluntary Context Switches 9

Involuntary Context Switches 0

Block Input Operations 0

Block Output Operations 272

101

102

103 OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;

115

### Results: Problem 5.9 #3.sas

**Frequency of Color Groups**

**The FREQ Procedure**

| **color** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| --- | --- | --- | --- | --- |
|  | 1 | 5.26 | 1 | 5.26 |
| **B** | 4 | 21.05 | 5 | 26.32 |
| **G** | 3 | 15.79 | 8 | 42.11 |
| **R** | 3 | 15.79 | 11 | 57.89 |
| **Y** | 3 | 15.79 | 14 | 73.68 |
| **O** | 2 | 10.53 | 16 | 84.21 |
| **V** | 2 | 10.53 | 18 | 94.74 |
| **P** | 1 | 5.26 | 19 | 100.00 |

Another attempt after fixing most of the codes

### Results: Problem 5.9 #3.sas

/\*Nilupul Rathgama for BAN500\*/

/\*Problem 5.9 #3\*/

libname ban500 '/home/nilunra0/my\_courses';

**data** colors;

input color : $1. @@;

datalines;

R R B G Y Y . B G R B G Y P O O V V B

;

**run**;

**Proc** **format** data=colors;

Value $color "R,B,G' = "Group **1**’

"Y,O' = "Group **2**’

" " = "Not Given’

other = "Group **3**‘;

**run**;

title "Frequency of Color Groups";

**proc** **freq** data = colors;

tables color/ missing;

**run**;

title "Frequency of Color Groups";

**proc** **freq** data = colors order=formatted;

tables color/ missing;

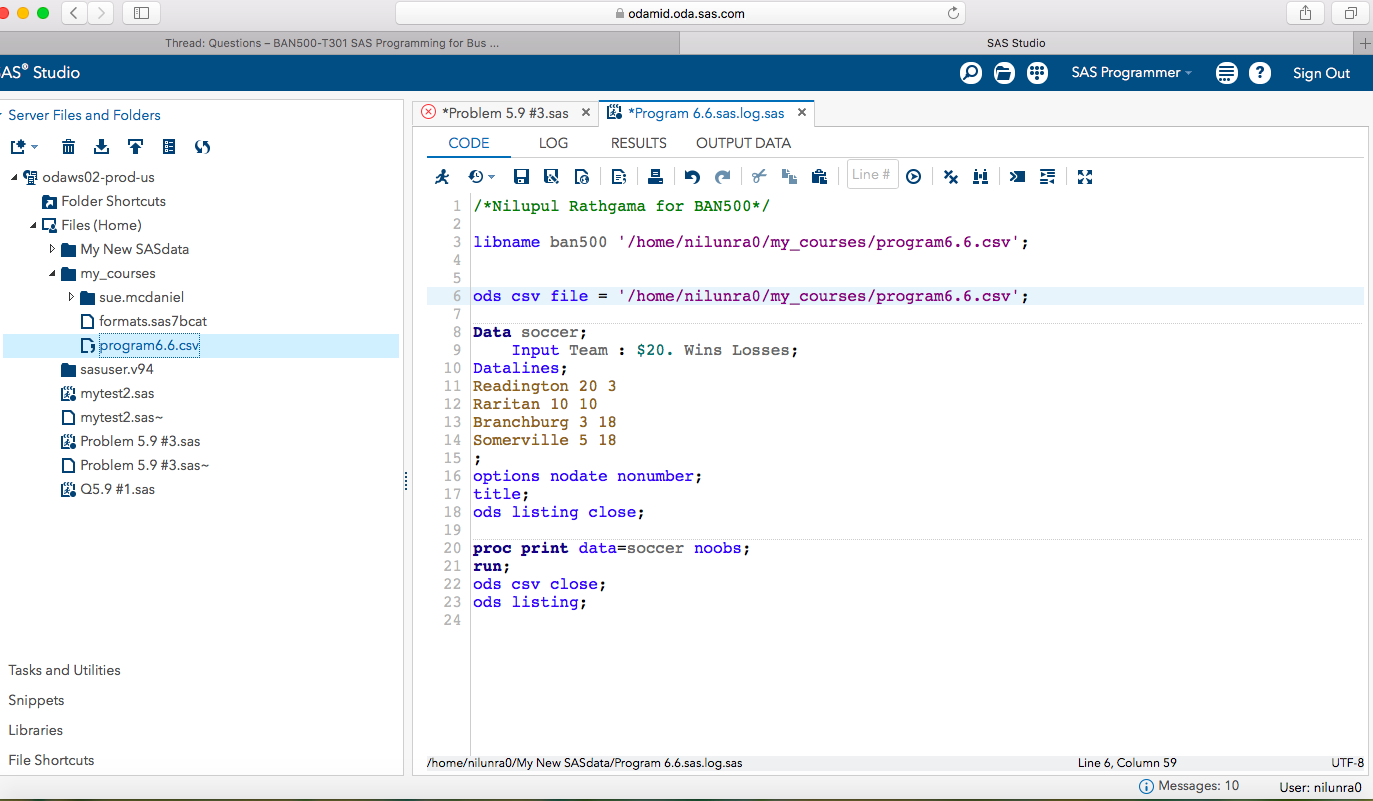
**run**;

**Frequency of Color Groups**

**The FREQ Procedure**

| **color** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| --- | --- | --- | --- | --- |
|  | 1 | 5.26 | 1 | 5.26 |
| **B** | 4 | 21.05 | 5 | 26.32 |
| **G** | 3 | 15.79 | 8 | 42.11 |
| **O** | 2 | 10.53 | 10 | 52.63 |
| **P** | 1 | 5.26 | 11 | 57.89 |
| **R** | 3 | 15.79 | 14 | 73.68 |
| **V** | 2 | 10.53 | 16 | 84.21 |
| **Y** | 3 | 15.79 | 19 | 100.00 |

Problem 6.6#2



**Program Summary - Program 6.6.sas.log.sas**

**Execution Environment**

|  |  |
| --- | --- |
| Author: | nilunra@gmail.com |
| File: | /home/nilunra0/My New SASdata/Program 6.6.sas.log.sas |
| SAS Platform: | Linux LIN X64 3.10.0-693.21.1.el7.x86\_64 |
| SAS Host: | ODAWS02.ODA.SAS.COM |
| SAS Version: | 9.04.01M5P09132017 |
| SAS Locale: | en\_US |
| Submission Time: | 4/10/2018, 1:18:06 AM |
| Browser Host: | IP70-171-183-204.OM.OM.COX.NET |
| User Agent: | Mozilla/5.0 (Macintosh; Intel Mac OS X 10\_12\_6) AppleWebKit/603.3.8 (KHTML, like Gecko) Version/10.1.2 Safari/603.3.8 |
| Application Server: | ODAMID00-PROD-US.ODA.SAS.COM |

**Code: Program 6.6.sas.log.sas**

/\*Nilupul Rathgama for BAN500\*/

libname ban500 '/home/nilunra0/my\_courses/program6.6.csv';

ods csv file = '/home/nilunra0/my\_courses/program6.6.csv';

**Data** soccer;

Input Team : $20. Wins Losses;

Datalines;

Readington 20 3

Raritan 10 10

Branchburg 3 18

Somerville 5 18

;

options nodate nonumber;

title;

ods listing close;

**proc** **print** data=soccer noobs;

**run**;

ods csv close;

ods listing;

**Log: Program 6.6.sas.log.sas**

Notes (7)

1 OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;

NOTE: ODS statements in the SAS Studio environment may disable some output features.

71

72 /\*Nilupul Rathgama for BAN500\*/

73

74 libname ban500 '/home/nilunra0/my\_courses/program6.6.csv';

NOTE: Library BAN500 does not exist.

75

76

77 ods csv file = '/home/nilunra0/my\_courses/program6.6.csv';

NOTE: Writing CSV Body file: /home/nilunra0/my\_courses/program6.6.csv

78

79 Data soccer;

80 Input Team : $20. Wins Losses;

81 Datalines;

NOTE: The data set WORK.SOCCER has 4 observations and 3 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 521.87k

OS Memory 30632.00k

Timestamp 04/10/2018 06:18:06 AM

Step Count 81 Switch Count 2

Page Faults 0

Page Reclaims 140

Page Swaps 0

Voluntary Context Switches 11

Involuntary Context Switches 0

Block Input Operations 0

Block Output Operations 264

86 ;

87 options nodate nonumber;

88 title;

89 ods listing close;

90

91 proc print data=soccer noobs;

92 run;

NOTE: There were 4 observations read from the data set WORK.SOCCER.

NOTE: PROCEDURE PRINT used (Total process time):

real time 0.01 seconds

user cpu time 0.01 seconds

system cpu time 0.01 seconds

memory 1595.15k

OS Memory 31656.00k

Timestamp 04/10/2018 06:18:06 AM

Step Count 82 Switch Count 0

Page Faults 0

Page Reclaims 357

Page Swaps 0

Voluntary Context Switches 0

Involuntary Context Switches 0

Block Input Operations 0

Block Output Operations 16

93 ods csv close;

94 ods listing;

95

96

97 OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;

109

**Results: Program 6.6.sas.log.sas**

| **Team** | **Wins** | **Losses** |
| --- | --- | --- |
| Readington | 20 | 3 |
| Raritan | 10 | 10 |
| Branchburg | 3 | 18 |
| Somerville | 5 | 18 |

