

```

1      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
NOTE: ODS statements in the SAS Studio environment may disable some output features.
69
70      /* Start station ID */
71      title bold "3a - Start Station ID";
72      proc freq data=work.file order=freq;
73      tables start_station_id;
74      run;

```

NOTE: There were 47662 observations read from the data set WORK.FILE.

NOTE: PROCEDURE FREQ used (Total process time):

real time	0.08 seconds
user cpu time	0.08 seconds
system cpu time	0.01 seconds
memory	3044.96k
OS Memory	29608.00k
Timestamp	05/06/2022 09:05:29 AM
Step Count	50 Switch Count 3
Page Faults	0
Page Reclaims	358
Page Swaps	0
Voluntary Context Switches	14
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	280

```

75
76      ods graphics / reset width=6.4in height=8in imagemap;
77
78      proc sgplot data=WORK.ASSIGNMENT;
79      title height=14pt "Start Station ID";
80      hbar start_station_id / fillattrs=(color=CX5084d3) datalabel fillType=gradient
81      stat=percent;
82      xaxis max=0.1 grid;
83      run;

```

NOTE: PROCEDURE SGPLOT used (Total process time):

real time	0.20 seconds
user cpu time	0.08 seconds
system cpu time	0.02 seconds
memory	10228.75k
OS Memory	37388.00k
Timestamp	05/06/2022 09:05:30 AM
Step Count	51 Switch Count 5
Page Faults	0
Page Reclaims	2900
Page Swaps	0
Voluntary Context Switches	407
Involuntary Context Switches	1
Block Input Operations	0
Block Output Operations	712

WARNING: The data labels are suppressed. Use DATALABELFITPOLICY=NONE to force the labels to be displayed.

NOTE: Some of the tick values have been thinned.

NOTE: There were 47662 observations read from the data set WORK.ASSIGNMENT.

```

84
85      ods graphics / reset;
86      title;
87
88      /* End Station ID */
89      title bold "3b - End Station ID";
90      proc freq data=work.file order=freq;
91      tables end_station_id;
92      run;

```

NOTE: There were 47662 observations read from the data set WORK.FILE.

NOTE: PROCEDURE FREQ used (Total process time):

real time	0.09 seconds
user cpu time	0.09 seconds
system cpu time	0.01 seconds
memory	2168.09k
OS Memory	37800.00k
Timestamp	05/06/2022 09:05:30 AM
Step Count	52 Switch Count 2
Page Faults	0
Page Reclaims	324
Page Swaps	0

```

Voluntary Context Switches      14
Involuntary Context Switches    0
Block Input Operations           0
Block Output Operations          296

```

```

93
94     ods graphics / reset width=6.4in height=8in imagemap;
95
96     proc sgplot data=WORK.ASSIGNMENT;
97     title height=14pt "End Station ID";
98     hbar end_station_id / fillattrs=(color=CXd9261c) datalabel fillType=gradient
99     stat=percent;
100    xaxis grid;
101    run;

```

NOTE: PROCEDURE SGPLOT used (Total process time):

```

real time      0.20 seconds
user cpu time  0.08 seconds
system cpu time 0.01 seconds
memory         4389.40k
OS Memory      39076.00k
Timestamp      05/06/2022 09:05:30 AM
Step Count     53  Switch Count  5
Page Faults    0
Page Reclaims  1383
Page Swaps     0
Voluntary Context Switches  465
Involuntary Context Switches 0
Block Input Operations      0
Block Output Operations     720

```

WARNING: The data labels are suppressed. Use DATALABELFITPOLICY=NONE to force the labels to be displayed.

NOTE: Some of the tick values have been thinned.

NOTE: There were 47662 observations read from the data set WORK.ASSIGNMENT.

```

102
103     ods graphics / reset;
104     title;
105
106     /* Casual & Member Customer */
107     title bold "3c - Casual & Member Customer";
108     proc freq data=work.file order=freq;
109     tables member_casual;
110     run;

```

NOTE: There were 47662 observations read from the data set WORK.FILE.

NOTE: PROCEDURE FREQ used (Total process time):

```

real time      0.02 seconds
user cpu time  0.02 seconds
system cpu time 0.01 seconds
memory         2169.21k
OS Memory      37544.00k
Timestamp      05/06/2022 09:05:30 AM
Step Count     54  Switch Count  3
Page Faults    0
Page Reclaims  354
Page Swaps     0
Voluntary Context Switches  12
Involuntary Context Switches 0
Block Input Operations      0
Block Output Operations     264

```

```

111
112     ods graphics / reset width=6.4in height=4.8in imagemap;
113
114     proc sgplot data=WORK.ASSIGNMENT;
115     title height=14pt "Casual & Members";
116     vbar member_casual / fillattrs=(color=CX5084d3) datalabel fillType=gradient
117     stat=percent;
118     yaxis max=1 grid;
119     run;

```

NOTE: PROCEDURE SGPLOT used (Total process time):

```

real time      0.10 seconds
user cpu time  0.05 seconds
system cpu time 0.01 seconds
memory         3758.07k
OS Memory      38828.00k
Timestamp      05/06/2022 09:05:30 AM

```

Step Count	55	Switch Count	5
Page Faults	0		
Page Reclaims	1040		
Page Swaps	0		
Voluntary Context Switches	165		
Involuntary Context Switches	0		
Block Input Operations	0		
Block Output Operations	400		

NOTE: There were 47662 observations read from the data set WORK.ASSIGNMENT.

```

120
121     ods graphics / reset;
122     title;
123
124     /* Duration */
125     title bold "3d - Duration";
126     data work.filetimings;
127     set work.file;
128     DurationMin=intck('minute', starttime, endtime);
129     run;

```

NOTE: There were 47662 observations read from the data set WORK.FILE.

NOTE: The data set WORK.FILETIMINGS has 47662 observations and 17 variables.

NOTE: DATA statement used (Total process time):

real time	0.02 seconds
user cpu time	0.00 seconds
system cpu time	0.02 seconds
memory	3567.12k
OS Memory	39336.00k
Timestamp	05/06/2022 09:05:30 AM
Step Count	56
Switch Count	3
Page Faults	0
Page Reclaims	576
Page Swaps	0
Voluntary Context Switches	14
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	20240

```

130
131     data work.filetime;
132     set work.filetimings;
133     DurationMin = intck('minute',starttime,endtime);
134     run;

```

NOTE: There were 47662 observations read from the data set WORK.FILETIMINGS.

NOTE: The data set WORK.FILETIME has 47662 observations and 17 variables.

NOTE: DATA statement used (Total process time):

real time	0.02 seconds
user cpu time	0.01 seconds
system cpu time	0.02 seconds
memory	3569.50k
OS Memory	39336.00k
Timestamp	05/06/2022 09:05:30 AM
Step Count	57
Switch Count	3
Page Faults	0
Page Reclaims	567
Page Swaps	0
Voluntary Context Switches	14
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	20232

```

135
136     proc freq data=work.filetime order=freq;
137         tables DurationMin /
138         plots=freqplot(twoway=stacked orient=horizontal);
139     run;

```

NOTE: There were 47662 observations read from the data set WORK.FILETIME.

NOTE: PROCEDURE FREQ used (Total process time):

real time	0.38 seconds
user cpu time	0.31 seconds
system cpu time	0.00 seconds
memory	3982.53k
OS Memory	38448.00k
Timestamp	05/06/2022 09:05:30 AM
Step Count	58
Switch Count	3

Page Faults	0
Page Reclaims	636
Page Swaps	0
Voluntary Context Switches	1102
Involuntary Context Switches	1
Block Input Operations	0
Block Output Operations	784

```

140
141
142
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144
145      /* maps */
146      title bold "3e - Maps";
147
148      proc sgplot data=work.file noborder noautolegend;
149      polygon x=Start_lat y=Start_lng id=Start_Station_id / fill outline tip=none
150      lineattrs=(color=gray99) fillattrs=(color=cxe8edd5);
151      scatter x=Start_lat y=Start_lng / markerattrs=(symbol=circlefilled size=13)
152      markerfillattrs=(color=yellow) markeroutlineattrs=(color=purple);
153      xaxis display=none;
154      yaxis display=none;
155      run;

```

NOTE: PROCEDURE SGPLOT used (Total process time):

real time	4.69 seconds
user cpu time	2.58 seconds
system cpu time	0.27 seconds
memory	3210.15k
OS Memory	38188.00k
Timestamp	05/06/2022 09:05:35 AM
Step Count	59
Switch Count	2
Page Faults	0
Page Reclaims	696
Page Swaps	0
Voluntary Context Switches	143129
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	1848

NOTE: Marker and line antialiasing has been disabled for at least one plot because the threshold has been reached. You can set ANTIALIASMAX=47700 in the ODS GRAPHICS statement to enable antialiasing for all plots.

NOTE: There were 47662 observations read from the data set WORK.FILE.

```

156
157      proc sgplot data=work.file noborder noautolegend;
158      polygon x=end_lat y=end_lng id=End_Station_id / fill outline tip=none
159      lineattrs=(color=gray99) fillattrs=(color=cxe8edd5);
160      scatter x=end_lat y=end_lng / markerattrs=(symbol=circlefilled size=13)
161      markerfillattrs=(color=yellow) markeroutlineattrs=(color=purple);
162      xaxis display=none;
163      yaxis display=none;
164      run;

```

NOTE: PROCEDURE SGPLOT used (Total process time):

real time	4.56 seconds
user cpu time	2.58 seconds
system cpu time	0.25 seconds
memory	3416.34k
OS Memory	38188.00k
Timestamp	05/06/2022 09:05:40 AM
Step Count	60
Switch Count	2
Page Faults	0
Page Reclaims	672
Page Swaps	0
Voluntary Context Switches	143134
Involuntary Context Switches	2
Block Input Operations	0
Block Output Operations	1856

NOTE: Marker and line antialiasing has been disabled for at least one plot because the threshold has been reached. You can set ANTIALIASMAX=47700 in the ODS GRAPHICS statement to enable antialiasing for all plots.

NOTE: There were 47662 observations read from the data set WORK.FILE.

```

165
166
167      /* Member Start Station Name */
168      title bold "3f - Member Start Station Name";
169      proc sort data=work.file;

```

```
170     by member_casual;
171     run;
```

NOTE: Input data set is already sorted, no sorting done.

NOTE: PROCEDURE SORT used (Total process time):

real time	0.00 seconds
user cpu time	0.00 seconds
system cpu time	0.00 seconds
memory	1886.25k
OS Memory	37028.00k
Timestamp	05/06/2022 09:05:40 AM
Step Count	61
Page Faults	0
Page Reclaims	242
Page Swaps	0
Voluntary Context Switches	0
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	0

```
172
173     proc freq data=work.file order=freq;
174     tables start_station_name / out=Members plots=freqplot(twoway=stacked
175     orient=horizontal );
176     by member_casual;
177     where (member_casual='member');
178     run;
```

NOTE: There were 32789 observations read from the data set WORK.FILE.

WHERE member_casual='member';

NOTE: The data set WORK.MEMBERS has 78 observations and 4 variables.

NOTE: PROCEDURE FREQ used (Total process time):

real time	0.18 seconds
user cpu time	0.11 seconds
system cpu time	0.02 seconds
memory	4561.71k
OS Memory	38964.00k
Timestamp	05/06/2022 09:05:40 AM
Step Count	62
Page Faults	0
Page Reclaims	693
Page Swaps	0
Voluntary Context Switches	432
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	1056

```
179
180
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183
184     OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
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```