

```

1      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
68
69      Title "3h";
70      Title2 "Member Customers commonly return or dock bikes";
71
72      /* To enable coloring theme for evening, morning and afternoon */
73      proc format;
74
75      ! value $ EndingTimes "Evening"="RED" "Morning"="BLUE" "Afternoon"="SNOW";
NOTE: Format $ENDINGTIMES has been output.
75      run;

```

NOTE: PROCEDURE FORMAT used (Total process time):

real time	0.00 seconds
user cpu time	0.00 seconds
system cpu time	0.01 seconds
memory	298.21k
OS Memory	28064.00k
Timestamp	06/05/2022 08:56:51 AM
Step Count	79
Page Faults	0
Page Reclaims	57
Page Swaps	0
Voluntary Context Switches	13
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	56

```

76
77      /* To eliminate duplicate records and have a new dataset accordingly */
78      proc sort data=work.citibike;
79      by member_casual;
80      where (member_casual='member');
81

```

```
82      /* To find the frequency of the Enddate where member_casual = member */
```

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

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

WHERE member\_casual='member';

NOTE: The data set WORK.CITIBIKE has 32789 observations and 18 variables.

NOTE: PROCEDURE SORT used (Total process time):

real time	0.01 seconds
user cpu time	0.00 seconds
system cpu time	0.01 seconds
memory	3438.40k
OS Memory	31400.00k
Timestamp	06/05/2022 08:56:51 AM
Step Count	80
Switch Count	5
Page Faults	0
Page Reclaims	571
Page Swaps	0
Voluntary Context Switches	18
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	14600

```
83      proc freq data=work.citibike order=freq;  
84      tables EndDate / out=EndDate plots=freqplot(twoway=stacked orient=horizontal);  
85      by member_casual;  
86      where (member_casual='member');  
87      run;
```

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

WHERE member\_casual='member';

NOTE: The data set WORK.ENDDATE has 32 observations and 4 variables.

NOTE: PROCEDURE FREQ used (Total process time):

real time	0.16 seconds
user cpu time	0.09 seconds
system cpu time	0.01 seconds
memory	11025.75k

OS Memory	36916.00k
Timestamp	06/05/2022 08:56:51 AM
Step Count	81    Switch Count    5
Page Faults	0
Page Reclaims	2289
Page Swaps	0
Voluntary Context Switches	269
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	1048

```

88
89     Title "3h";
90
91     /* To find the frequency of the Endtimes where member_casual = member */
92     title2 'Frequency for ending times';
93
94     proc freq data=work.citibike order=freq;
95     tables EndTimes / out=EndTimes plots=freqplot(twoway=stacked
96     orient=horizontal);
97     by member_casual;
98     where (member_casual='member');
99     run;

```

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

WHERE member\_casual='member';

NOTE: The data set WORK.ENDTIMES has 3 observations and 4 variables.

NOTE: PROCEDURE FREQ used (Total process time):

real time	0.12 seconds
user cpu time	0.05 seconds
system cpu time	0.01 seconds
memory	4371.09k
OS Memory	36916.00k
Timestamp	06/05/2022 08:56:51 AM
Step Count	82    Switch Count    17
Page Faults	0

Page Reclaims	767
Page Swaps	0
Voluntary Context Switches	217
Involuntary Context Switches	1
Block Input Operations	0
Block Output Operations	888

```

100
101      proc sgplot data=work.citibike;
102      histogram EndDate;
103      density EndDate;
104      run;

```

NOTE: PROCEDURE SGPLOT used (Total process time):

real time	0.26 seconds
user cpu time	0.09 seconds
system cpu time	0.01 seconds
memory	4298.93k
OS Memory	37932.00k
Timestamp	06/05/2022 08:56:52 AM
Step Count	83
Switch Count	10
Page Faults	0
Page Reclaims	1719
Page Swaps	0
Voluntary Context Switches	223
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	4200

NOTE: The column format MMDDYY10 is replaced by an auto-generated format on the axis.

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

```

105
106      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
116

```