

```
/* Start Station Name of Casual Customer */
title bold "3g-Casual Customer StartStationName";
proc sort data=work.file;
    by member_casual;
run;

proc freq data=work.file order=freq;
    tables start_station_name / out=Members plots=freqplot(twoway=stacked
        orient=horizontal);
    by member_casual;
    where (member_casual='casual');
run;

/* 3h - end time for members */
Data File3hwork;
    set File;

    if Starttime < '12:00't then
        Starttimes='Morning';
    else if Starttime < '18:00't then
        Starttimes='Afternoon';
    else
        Starttimes='Evening';

    if Endtime < '12:00't then
        EndTimes='Morning';
    else if Endtime < '18:00't then
        EndTimes='Afternoon';
    else
        EndTimes='Evening';
run;

title bold "3h- End time for members ";

proc freq data=work.File3hwork order=freq;
    tables EndTimes / out=MemberETimes;
    by member_casual;
    where (member_casual='member');
run;

proc template;
    define statgraph SASStudio.Pie;
        begingraph;
        entrytitle "Members End Time" / textattrs=(size=14);
        layout region;
        piechart category=EndTimes / group=PERCENT groupgap=2% stat=pct start=90
            categorydirection=clockwise datalabellocation=inside;
        endlayout;
        endgraph;
    end;
```

```
run;
```

```
ods graphics / reset width=6.4in height=4.8in imagemap;
```

```
proc sgrender template=SASstudio.Pie data=WORK.MEMBERETIMES;  
run;
```

```
ods graphics / reset;
```

```
/* Additional analysis */
```

```
ods graphics / reset width=6.4in height=8in imagemap;
```

```
title bold "3i-Additional Analysis";
```

```
proc sgplot data=WORK.FILETIMINGS;  
  title2 height=11pt "End Station ID";  
  hbar start_station_name / group=member_casual groupdisplay=cluster datalabel  
    fillType=gradient stat=percent;  
  xaxis min=0.1 max=0.1 grid;  
  keylegend / location=inside;  
run;
```

```
ods graphics / reset;
```

```
title;
```