

Enhancements to SAS/GRAPH® in V9

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PROC GBARLINE (EXPERIMENTAL)

GBARLINE (Bar Line Overlay) is a new experimental procedure in V9. It enables the creation of a chart consisting of ungrouped vertical bars with line plot overlays. This initial release only allows the creation of ODS output graphics for device of ACTIVEEX or ACTXIMG. For example, the following code produces a bar line overlay plot:

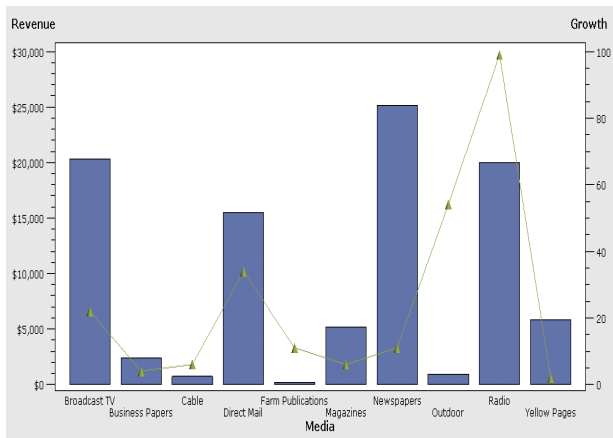
```
ods listing close;
ods html body="c:\temp\BarLineOverlay.html";
goptions device=activex xpixels=1000 ;

data advertising;
format Revenue dollar12.;
Input Media $ 1-18 Year Revenue Share Growth;
datalines;
Newspapers      1985 25170 26.6  11
Magazines       1985 5155  5.4   6
Farm Publications 1985 186   0.2  11
Broadcast TV    1985 20298 21.4 22
Cable           1985 724   0.7  6
Radio           1985 6490  6.8  1
Radio           1997 13491 7.2  98
Direct Mail     1985 15500 16.4 34
Business Papers 1985 2375  2.5  4
Outdoor         1985 945   1.0  54
Yellow Pages    1985 5800  6.1  2
;
run;

title1 "Advertising Revenue Growth";

proc gbarline data=advertising;
bar media / sumvar=Revenue;
plot growth;
run;
quit;

ods html close;
ods listing;
```



Output -10

AREA BAR CHART

Area bar graphs are the only variation of bar graphs in which the width of the bars is significant. In the area bar graph, the widths of the bars are proportional to some measure or characteristic of the data element represented by the bars. In V9, PROC

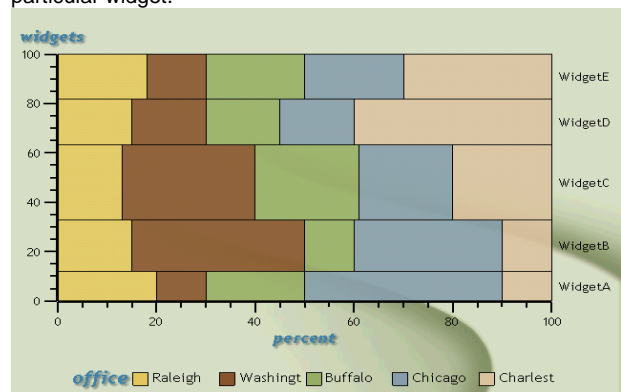
GAREABAR is only supported for ACTIVEEX and ACTXIMG device drivers.

```
ods listing close;
ods html file='areabar.html';
goptions dev=activex;
data widget;
input product $ percent widgets office $;
cards;
WidgetA      20    41    Raleigh
WidgetA      10    53    Washington
WidgetA      20    17    Buffalo
WidgetA      40    12    Chicago
WidgetA      10    11    Charleston
WidgetB      15    55    Raleigh
WidgetB      35    73    Washington
WidgetB      10    29    Buffalo
WidgetB      30    29    Chicago
WidgetB      10    44    Charleston
WidgetC      13    67    Raleigh
WidgetC      27    95    Washington
WidgetC      21    91    Buffalo
WidgetC      19    51    Chicago
WidgetC      20    30    Charleston
WidgetD      15    71    Raleigh
WidgetD      15    13    Washington
WidgetD      15    72    Buffalo
WidgetD      15    30    Chicago
WidgetD      40    20    Charleston
WidgetE      18    76    Raleigh
WidgetE      12    19    Washington
WidgetE      20    12    Buffalo
WidgetE      20    28    Chicago
WidgetE      30    65    Charleston
run;
```

```
PROC GAREABAR data=widget;
hbar product * widgets / sumvar=percent
subgroup=office
wstat=percent;

run;
quit;
ods html close;
ods listing;
```

In *Output-11*, the percentage of widgets sold is the width variable and the response is the percent of a location's sales for that particular widget.



CONTACT INFORMATION

Your comments and questions are valued and encouraged.
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