INTRODUCTION OF PROC GCHART

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Outline

- Introduction
- Draw Bar charts
- Write axis label
- Change the bar patterns and width
data sashelp;
input name $ sex $ age height weight;
datalines;
Alfred       M   14      69     112.5
Alice         F      13     56.5   84
Barbara    F     13      65.3  98
Carol         F     14     62.8   102.5
Henry       M    14     63.5   102.5
James       M    12     57.3   83
Jane          F      12     59.8   84.5
Janet        F      15      62.5   112.5
Jeffrey     M     13      62.5   84
John         M     12      59     99.5
Joyce       F       11      51.3  50.5
Judy        F      14     64.3   90
Louise     F       12    56.3    77
Mary       F       15   66.5   112
Philip      M      16     72   150
Robert    M      12     64.8   128
Ronald     M      15     67    133
Thomas   M      11     57.5    85
William M      15   66.5   112
;
proc gchart data = sashelp;
vbar age ;
run;
proc gchart data = sashelp;
title 'Simple Bar Chart';
vbar age / discrete ;
run;
proc gchart data = sashelp;
title 'Simple Bar Chart';
vbar age / levels =4 ;
run;
proc gchart data = sashelp;
title1' Simple Bar Chart';
vbar age / discrete width = 8 inside = percent;
run;
pattern1 color = lightblue;
axis1 label = (a=90 f="Arial/bold" "frequency") minor =(n=2) order=(0 to 8 by 2);
axis2 label = (f="Calibri/bold" "Age");
proc gchart data = sashelp;
title1' Simple Bar Chart';
vbar age / discrete width = 8 inside = percent raxis= axis1 maxis= axis2 coutline=black woutline=2;
run;
proc gchart data = sashelp;
title1 'Simple bar chart by sex';
vbar age / discrete width = 6 inside = percent group = sex;
run;

<table>
<thead>
<tr>
<th>age</th>
<th>sex</th>
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<tbody>
<tr>
<td>11</td>
<td>F</td>
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<tr>
<td>12</td>
<td>F</td>
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<td>M</td>
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<tr>
<td>16</td>
<td>M</td>
</tr>
</tbody>
</table>

Simple bar chart by sex
pattern1 color = pink;
pattern2 color = lightblue;
proc gchart data = sashelp;
title1' Simple Bar chart by sex ';
vbar age / discrete width = 8 inside = percent group = sex patternID = group;
run;
proc gchart data = sashelp;
   vbar age / discrete inside = freq subgroup = sex;
run;
pattern1 color = pink;
pattern2 color = blue;
proc gchart data = sashelp;
title1' Simple Bar Chart';
vbar age / discrete inside = freq subgroup = sex patternID = subgroup;
run;
proc gchart data = sashelp;
title1 f = "Arial/italic" ' Age frequency by Gender ';
vbar age / discrete inside = freq subgroup = sex;
run;
data mydata;
input state $ Quarter Sales;
datalines;
Florida  1  2043.37
Maine   1  1225.26
Utah    1  1543.32
Florida  2  2043.32
Maine   2  2225.26
Utah    2  2543.32
Florida  3  2343.32
Maine   3  5325.26
Utah    3  4043.32
Florida  4  1225.24
Maine   4  3424.13
Utah    4  3314.25
;   
run;
title 'Total Sales';
FOOTNOTE J=r 'Four Quarters';
proc gchart data = mydata;
format Sales Dollar8.;
block State /sumvar =Sales;
run;
Total Sales

Block Chart of Sum

- Florida: $7,655
- Maine: $12,200
- Utah: $11,444

Four Quarters
proc gchart data = mydata;
format Sales Dollar8.;
pie State / sumvar = Sales Coutline= black;
run;
Quit;
Total Sales

SUM of Sales by state

Maine
$12,200

Florida
$7,655

Utah
$11,444

Four Quarters