



INTRODUCTION OF PROC GCHART

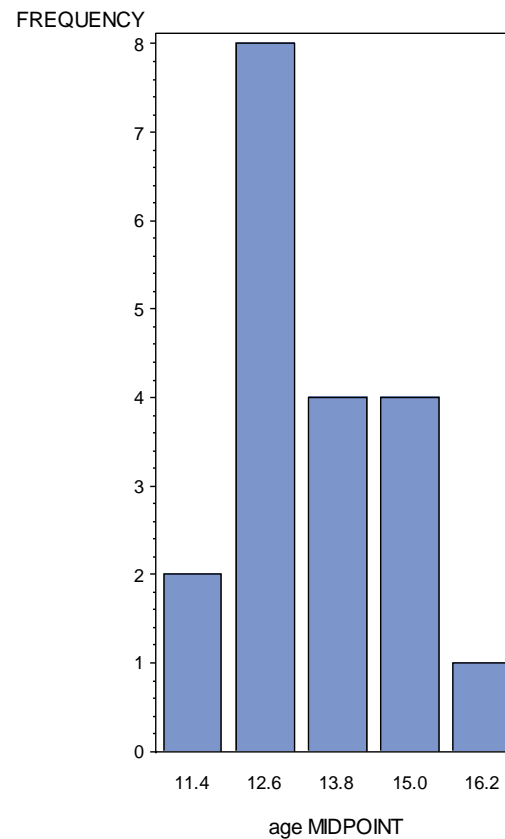
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Saskatoon

Outline

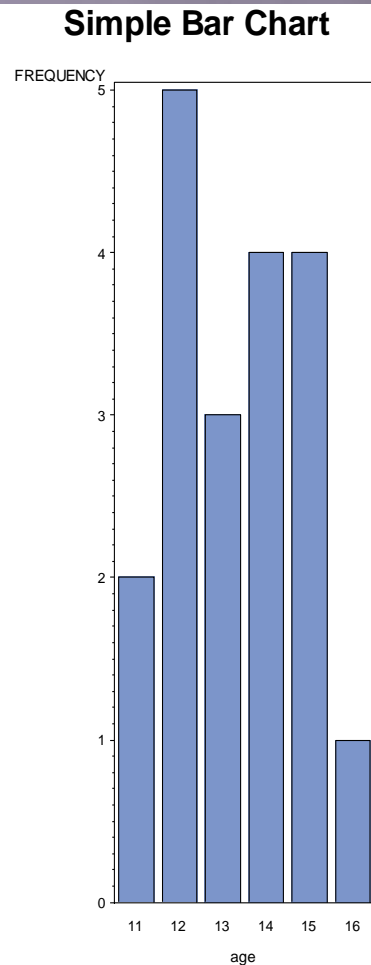
- Introduction
- Draw Bar charts
- Write axis label
- Change the bar patterns and width

```
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  
;
```

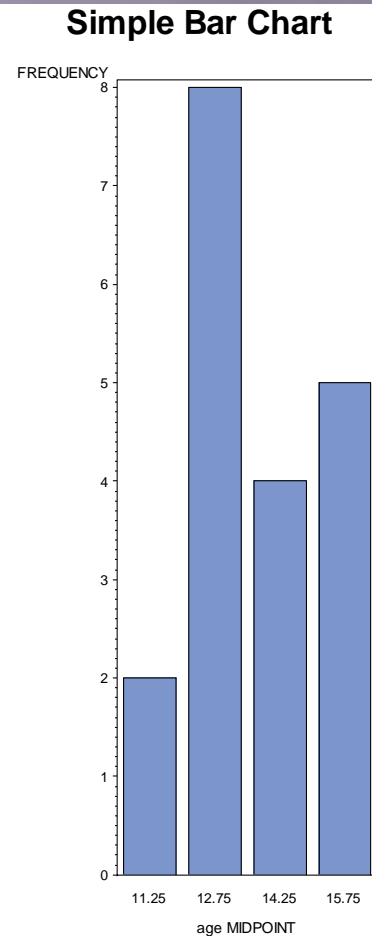
```
proc gchart data = sashelp;  
vbar age ;  
run;
```



```
proc gchart data = sashelp;  
title1 'Simple Bar Chart';  
vbar age / discrete ;  
run;
```

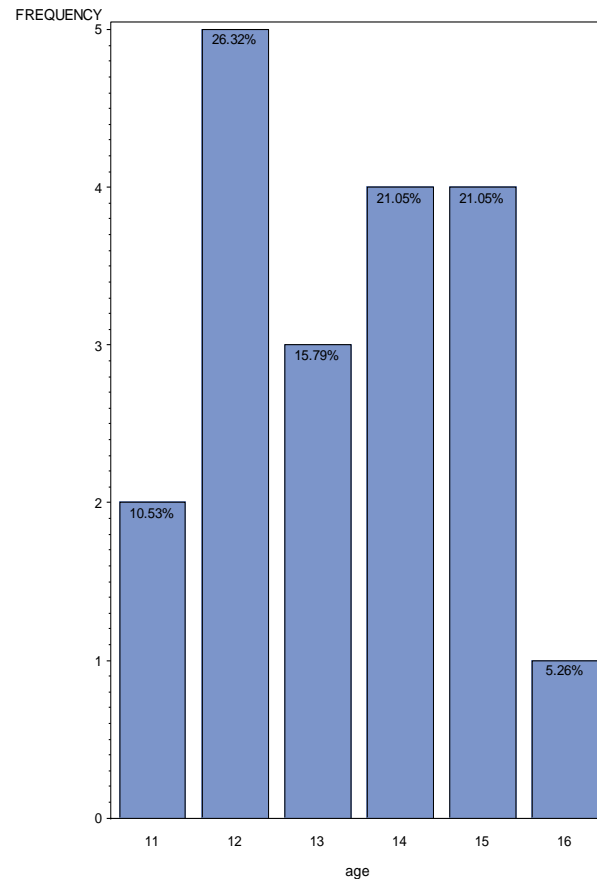


```
proc gchart data = sashelp;  
title1 'Simple Bar Chart';  
vbar age / levels =4 ;  
run;
```



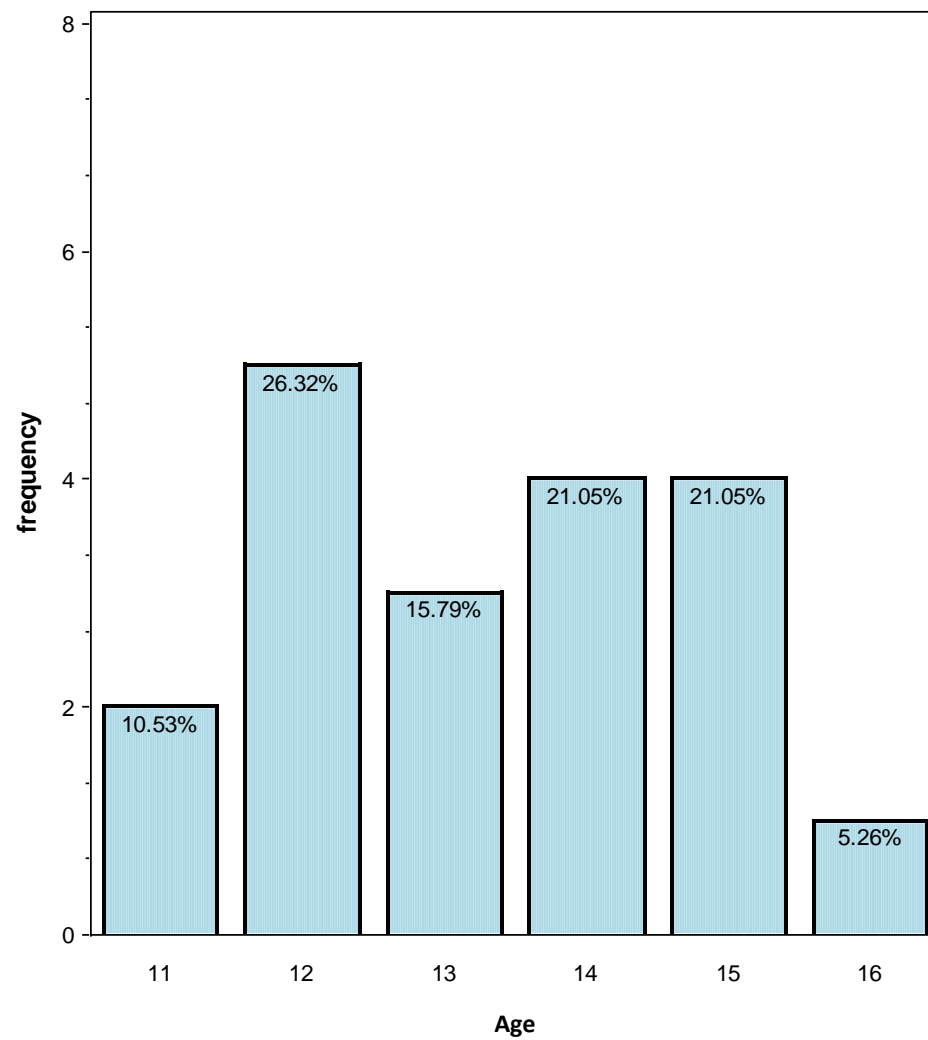
```
proc gchart data = sashelp;  
title1 'Simple Bar Chart';  
vbar age / discrete width = 8 inside = percent ;  
run;
```

Simple Bar Chart

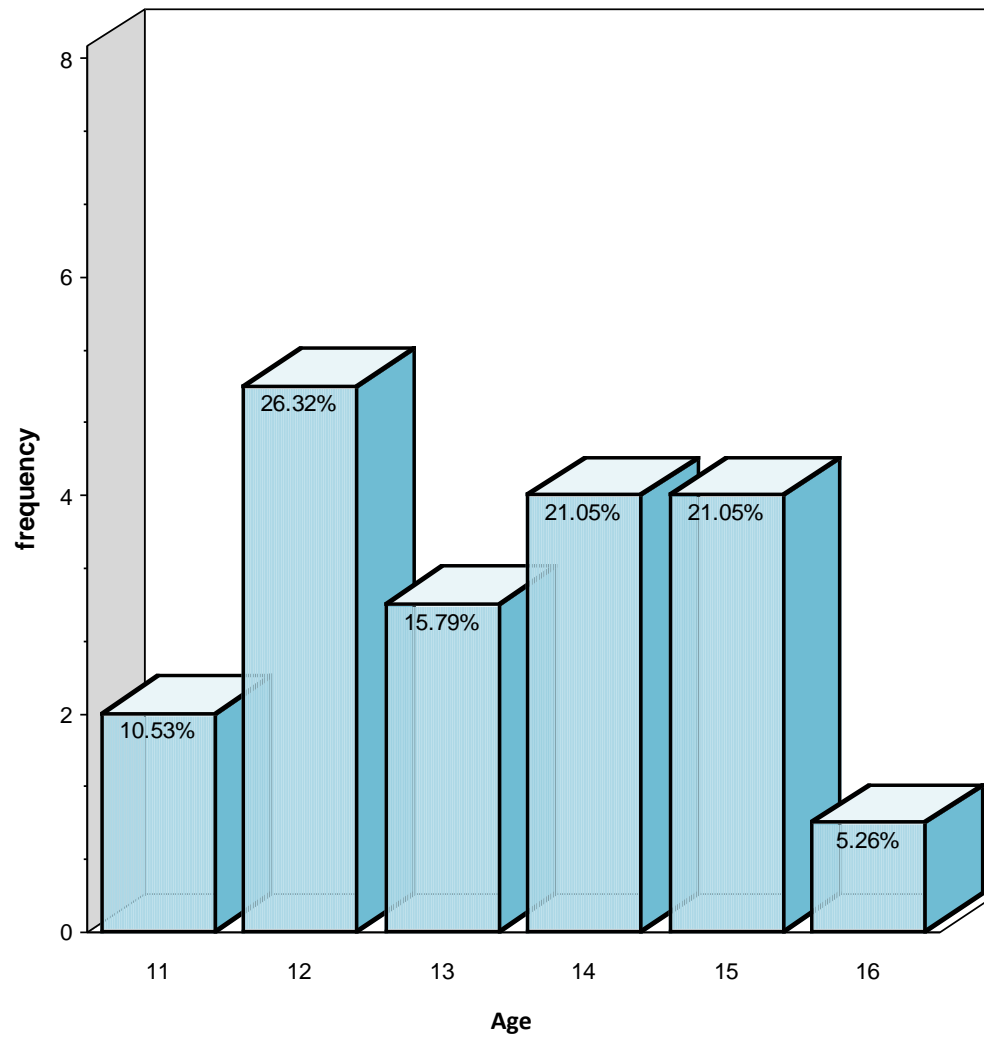


```
pattern1 color = lightblue;  
axis1 label = (a=90 f= "Arial/bold" "frequency") minor =(n=2) order=(0  
to 8 by 2);  
axis2 label = (f= "Calibri/bold" "Age");  
proc gchart data = sashelp;  
title1' Simple Bar Chart';  
vbar age / discrete width = 8 inside = percent raxis= axis1 maxis=  
axis2 coutline=black woutline=2;  
run;
```

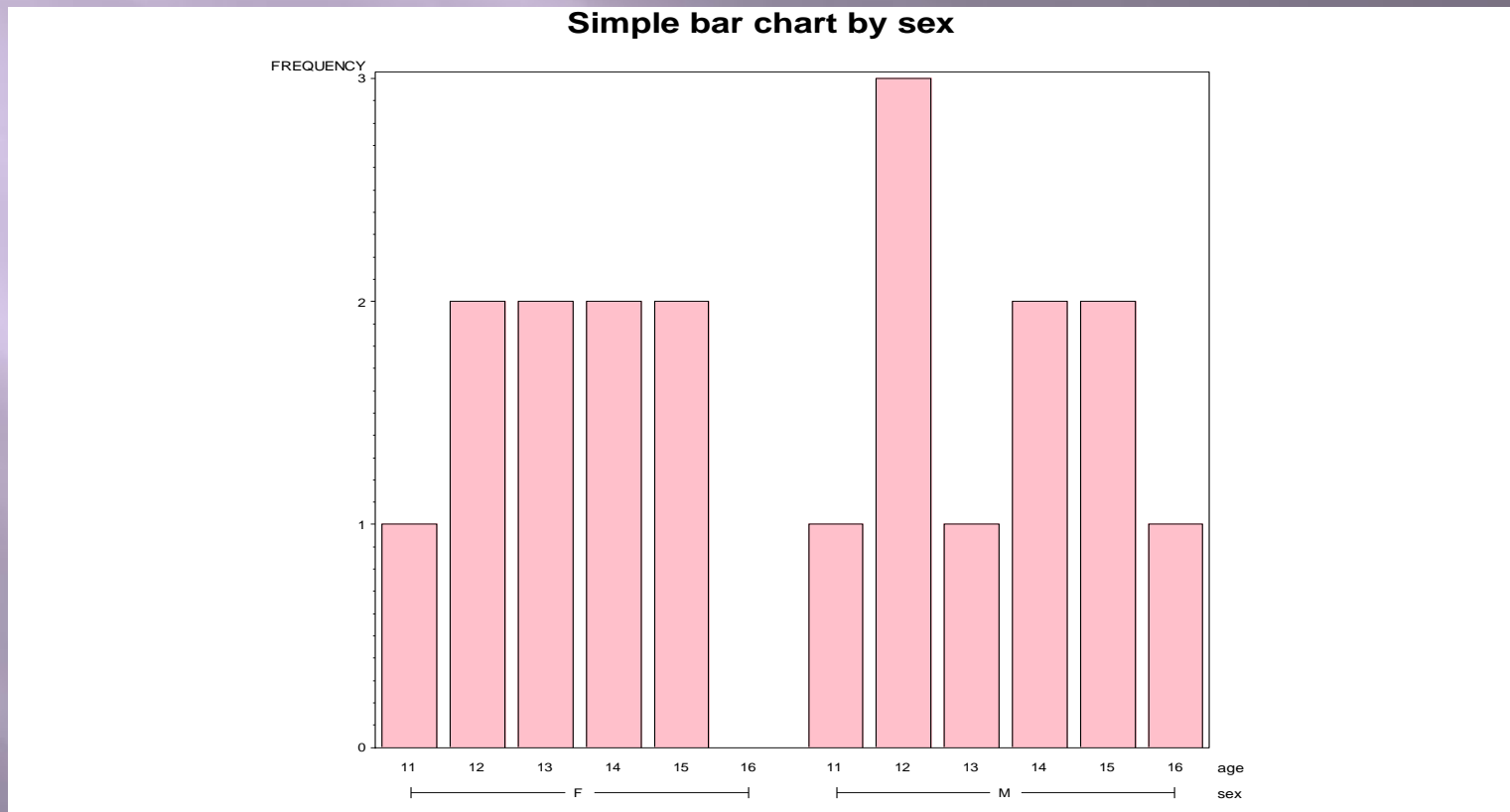

Simple Bar Chart



Simple Bar Chart



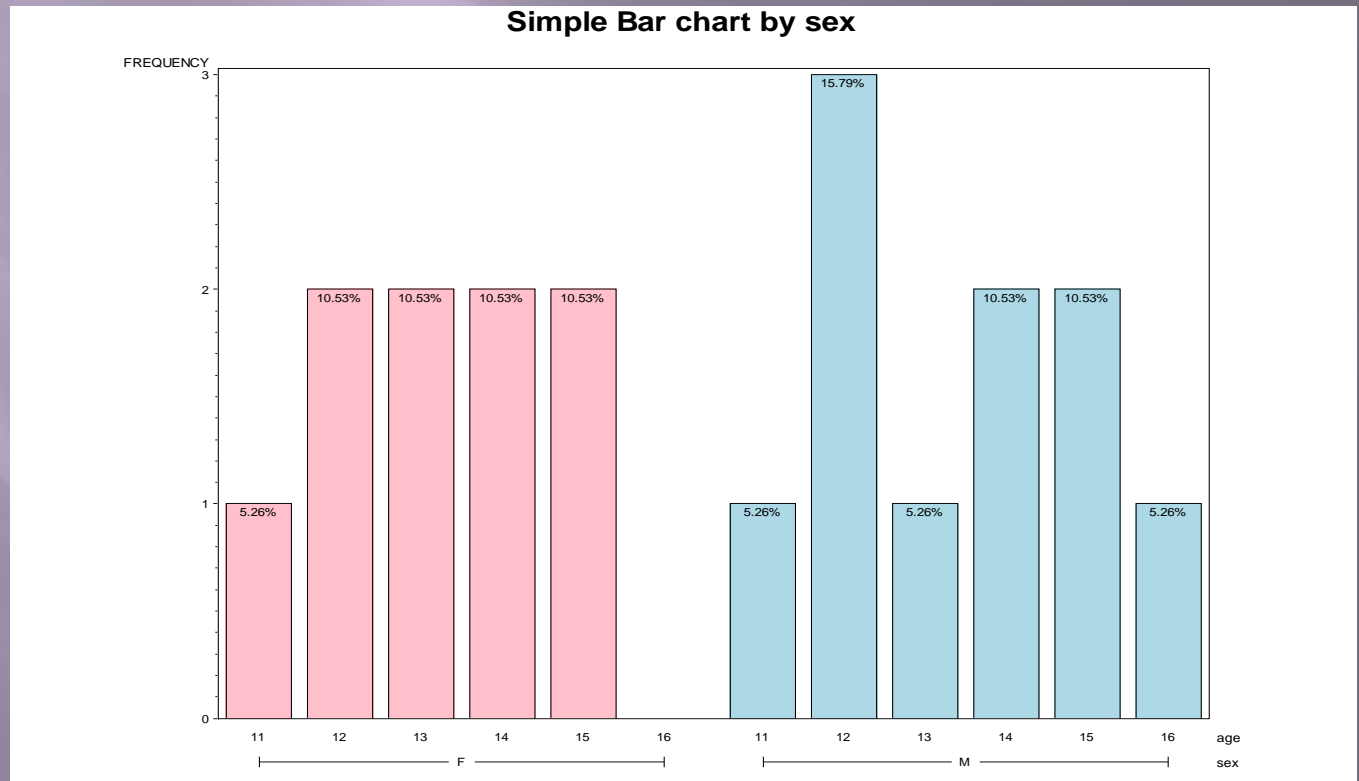
```
proc gchart data = sashelp;  
title1 'Simple bar chart by sex';  
vbar age / discrete width = 6 inside = percent group = sex;  
run;
```



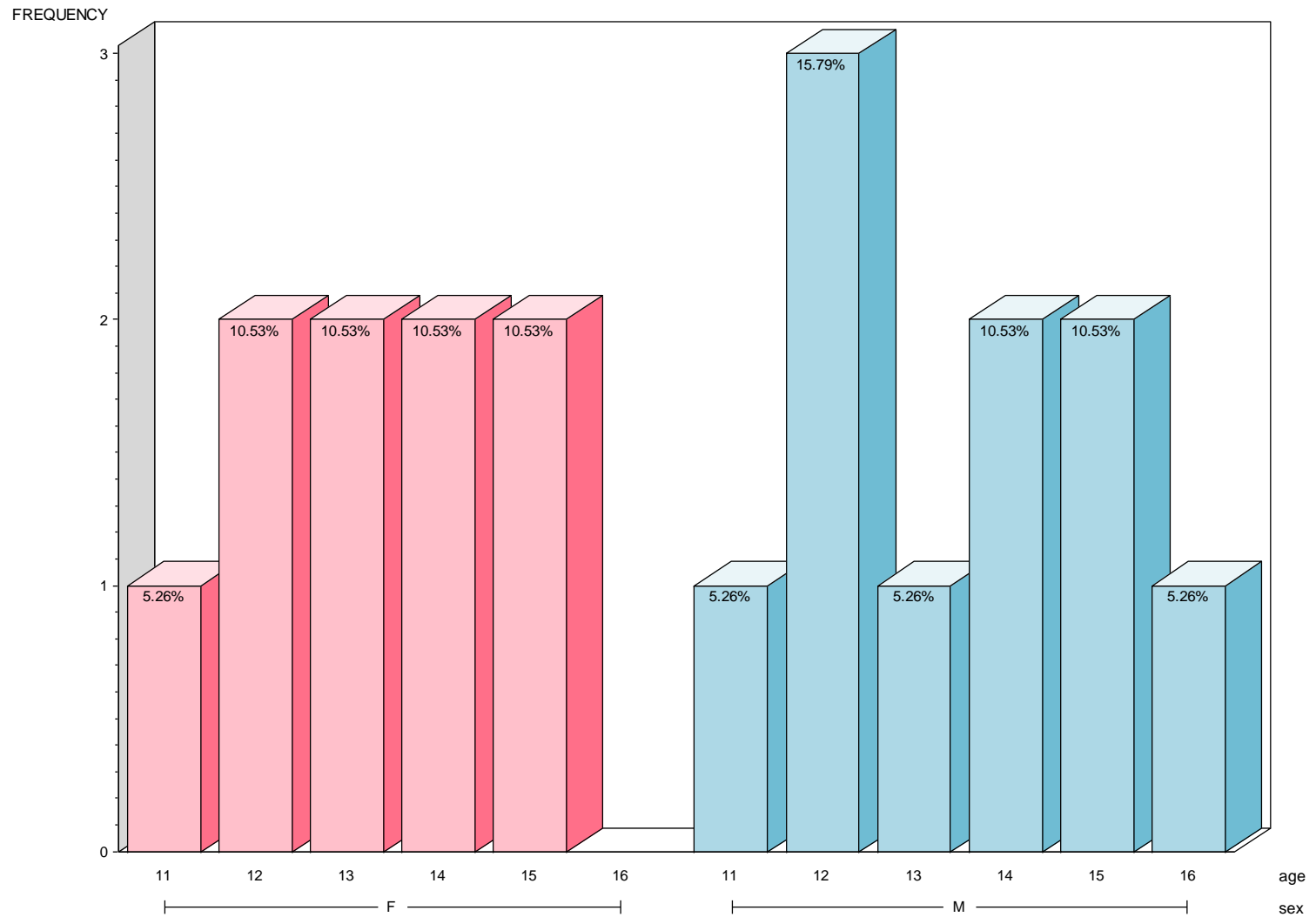
```

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;

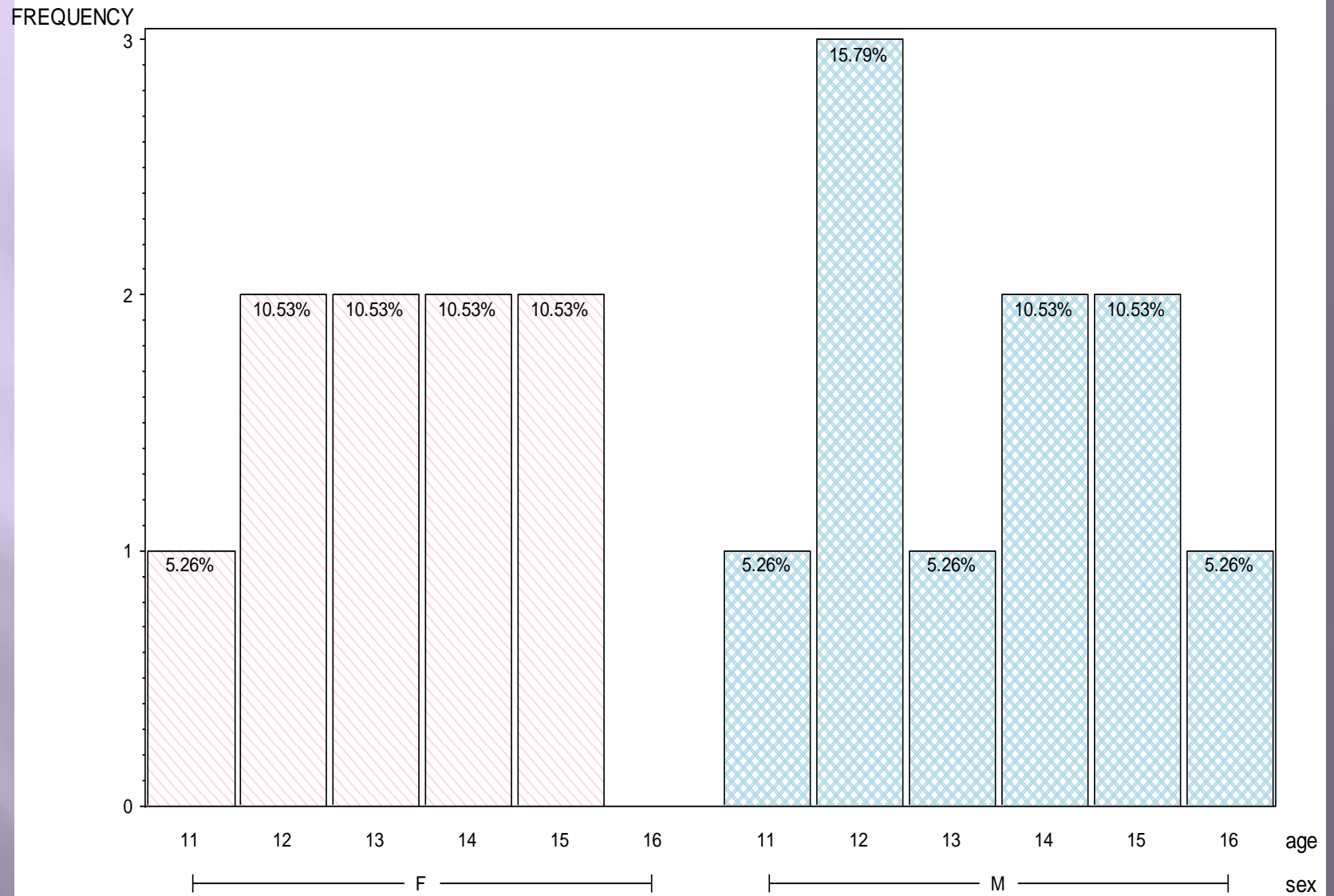
```



Simple Bar chart by sex

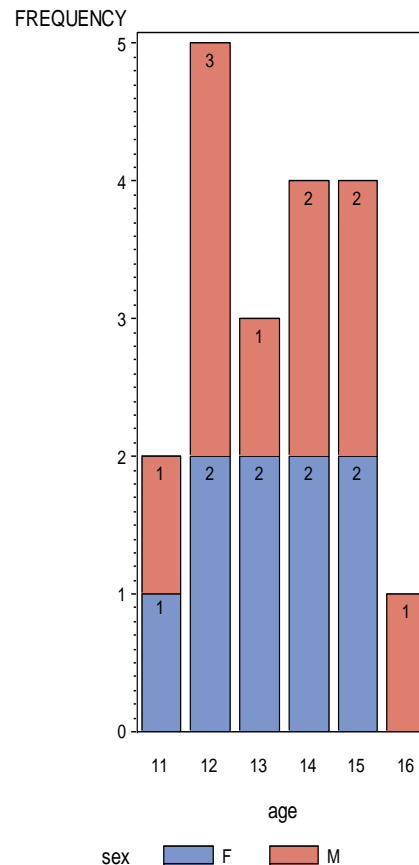


Simple Bar chart by sex



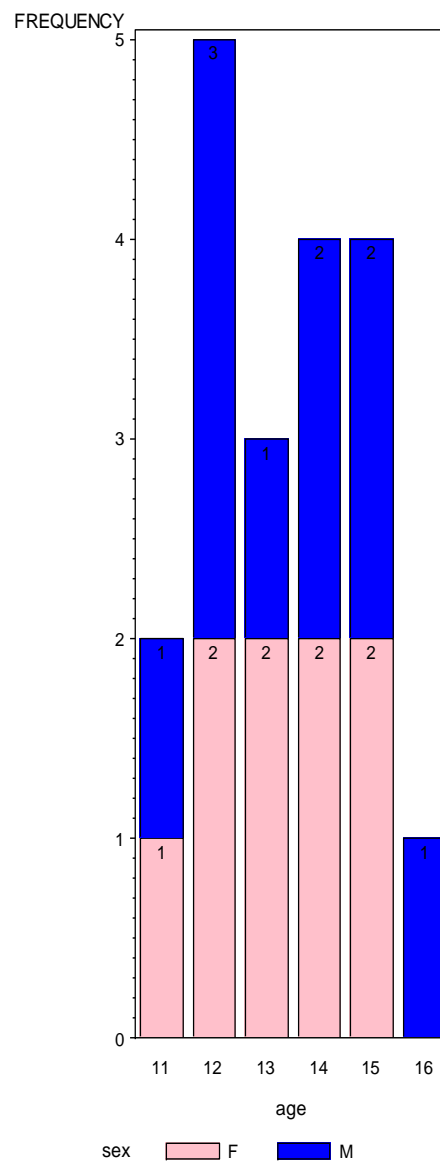
```
proc gchart data = sashelp;  
vbar age / discrete inside = freq subgroup = sex;  
run;
```

Age frequency by Gender



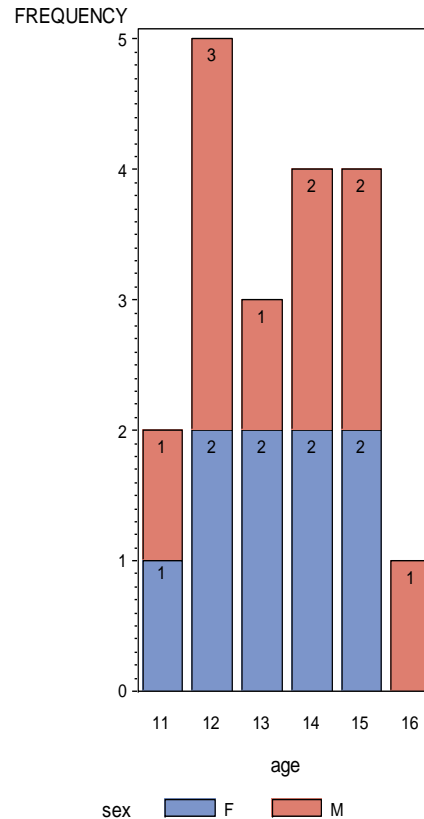
```
pattern1 color = pink;  
pattern2 color = blue;  
proc gchart data = sashelp;  
title1 ' Simple Bar Chart';  
vbar age / discrete inside = freq subgroup =  
sex patternID = subgroup;  
run;
```


Simple Bar Chart



```
proc gchart data = sashelp;
title1 f = "Arial/italic" ' Age frequency by Gender ';
vbar age / discrete inside = freq subgroup = sex;
run;
```

Age frequency by Gender



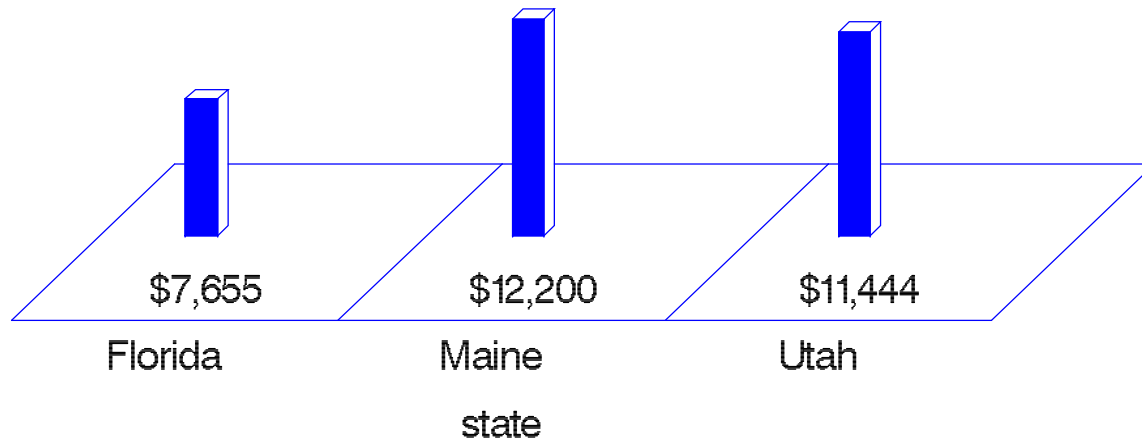
```
data mydata;  
input state $ Quarter Sales;  
datalines;  
Florida      1  2043.37  
Maine      1  1225.26  
Utah      1  1543.32  
Florida      2  2043.32  
Maine      2  2225.26  
Utah      2  2543.32  
Florida      3  2343.32  
Maine      3  5325.26  
Utah      3  4043.32  
Florida      4  1225.24  
Maine      4  3424.13  
Utah      4  3314.25  
;  
run;
```

```
GOPTIONS CTEXT = BLACK COLORS = (BLUE GREEN RED)  
FTEXT = SWISS FTITLE = SWISSB HTITLE= 6 HTEXT=3.5;
```

```
title 'Total Sales';  
FOOTNOTE J=r 'Four Quarters';  
proc gchart data = mydata;  
format Sales Dollar8.;  
block State /sumvar =Sales;  
run;
```

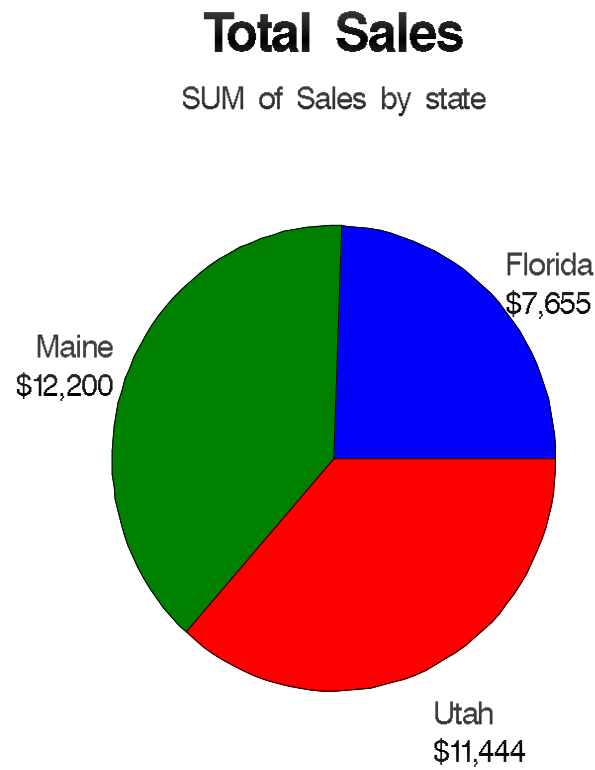
Total Sales

BLOCK CHART OF SUM



Four Quarters

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



Four Quarters

Total Sales

SUM of Sales by state

