

## Graphing a Frequency Distribution in SAS<sup>1</sup>

The following is an example of a program that graphs a frequency distribution. For more information about graphing, see: <https://depts.washington.edu/csde1/gref/z0724351.htm> (For people with UW NetID only.)

If using SAS PC, the resulting graph can be exported as an image (click on file, export), and then imported into another application (as was done for this document).

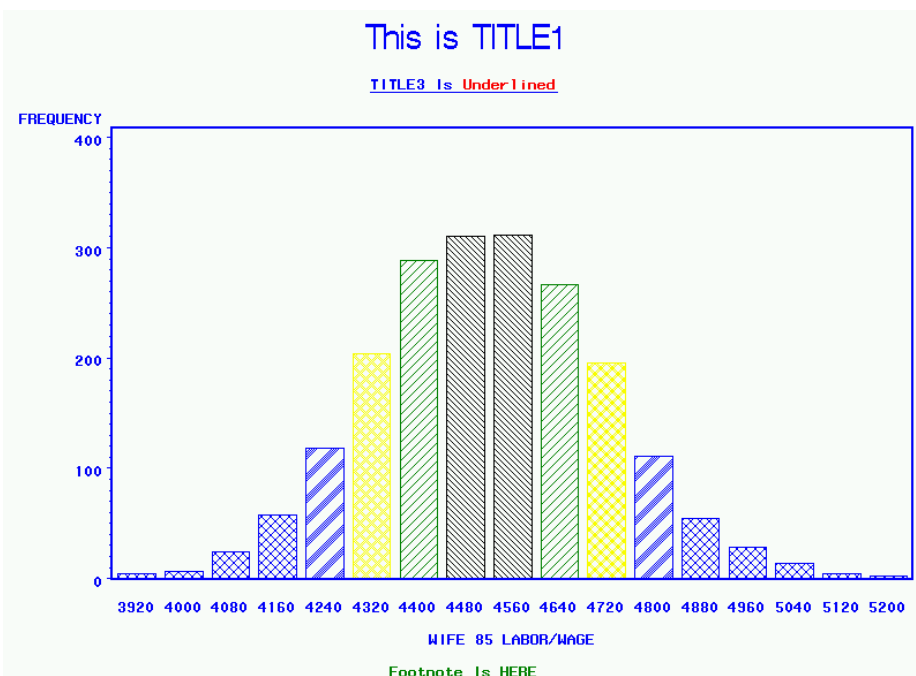
```
* freq2d.sas ;
goptions reset=(axis, legend, pattern, symbol, title, footnote)
           colors=(black blue green red yellow cyan gold )
norotate
           hpos=0 vpos=0 htext= ftext= ctext= target= gaccess=
gsfmode= ;
title1 'This is TITLE1';
title3 underlin=1
      'TITLE3 Is'
      color=red
      ' Underlined';
Footnote color = green 'Footnote Is HERE' ;
goptions device=WIN ctext=blue
          graphrc interpol=join;
```

```
pattern1 color=blue value=X1;
pattern2 color=blue value=X1;
pattern3 color=blue value=X1;
pattern4 color=blue value=X1;
pattern5 color=blue value=r5;
pattern6 color=yellow value=X3;
pattern7 color=green value=r1;
pattern8 color=black value=l2;
pattern9 color=black value=l2;
pattern10 color=green value=r1;
pattern11 color=yellow value=X3;
pattern12 color=blue value=r5;
pattern13 color=blue value=X1;
pattern14 color=blue value=X1;
pattern15 color=blue value=X1;
pattern16 color=blue value=X1;
pattern17 color=blue value=X1;
```

```
axis1 color=blue width=2.0 ;
axis2 color=blue width=2.0 ;
axis3 color=blue width=2.0 ;
```

```
proc gchart data=WORK.MEANALL;
  VBAR mean /
    maxis=axis1
    raxis=axis2
    frame
    type=FREQ
    patternid=midpoint
  ;
```

```
run;
```



<sup>1</sup>Prepared by Patty Glynn, University of Washington. Feb 8, 2001 C:\all\help\helpnew\sasgr1.wpd (Graph uses data set created by bootsas.sas.)