

## NOTE #6-1: DESCRIPTIVE AND UNIVARIATE STATISTICS I

### GRAPHICS

The outputs and options will be discussed in details in class.

```
/* Example 1*/
/* Revisit the Sales data in Example 2-2 */

OPTIONS LINESIZE=75 PAGESIZE=54 NODATE PAGENO=1;
DM "output;clear;log;clear";

GOPTIONS reset=all goutmode=replace
          Vsize=6 Hsize=6 Horigin=1.2
          htitle=2.0 ftitle=simplex
          htext=1.0 ftext=simplex;

PROC GCHART DATA=sales;
vbar prod / sumvar =unit;
vbar d/ discrete;
vbar store / sumvar = unit
           type = sum
           subgroup = prod;
pie prod / sumvar = sales
        type = sum ;
pie store / sumvar = sales
         type = sum
         subgroup = prod;
run; quit;

/* Example 2 */
/* Data is SASHELP.AIR */

/* Scatter plot with a smooth line superimposed*/

Title "Example Scatterplot of AIR data";
Title2 h=1.0 "with Interpolation line superimposed";
Symbol value = dot interpol = sms50 line=1 width=.5;
  *number following sms (sorted smooth) indicates smoothness of curve;
  * choose from 0 to 99 (most smooth). Default is 0;
  * try several numbers;

PROC GPLOT DATA = SASHELP.AIR ;
plot air*DATE;
run;
```