A toy SAS example

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```
data daten2;
do x=1 to 10;
y=x**2; output;
end;

proc freq;
tables x;
run;

proc reg;
model y = x;
run;

data daten;
do x=1 to 1000;
y=x**2; output;
end;

/* not working
proc gplot;
plot y*x;
run; */

/* working but ugly
proc plot;
plot y*x=".";
run;*/
```

```
##
##
##
##                                  Das SAS System
##
##                                Die Prozedur FREQ
##
##                                                    Kumulative      Kumulativer
##                      x    Häufigkeit     Prozent     Häufigkeit      Prozentwert
##                     ---------------------------------------------------------
##                      1             1       10.00             1         10.00
##                      2             1       10.00             2         20.00
##                      3             1       10.00             3         30.00
##                      4             1       10.00             4         40.00
##                      5             1       10.00             5         50.00
##                      6             1       10.00             6         60.00
##                      7             1       10.00             7         70.00
##                      8             1       10.00             8         80.00
##                      9             1       10.00             9         90.00
```

```
##                   10            1       10.00            10         100.00
##
##
##
##                                      Das SAS System
##
##                                    The REG Procedure
##                                      Model: MODEL1
##                                  Dependent Variable: y
##
##                           Number of Observations Read          10
##                           Number of Observations Used          10
##
##
##                                      Varianzanalyse
##
##                                       Quadrat-      Mitlleres
##         Quelle                   DF          summe        Quadrat    F-Statistik    Pr > F
##
##         Model                     1     9982.50000     9982.50000         151.25    <.0001
##         Error                     8      528.00000       66.00000
##         Corrected Total           9          10511
##
##
##                       Root MSE              8.12404    R-Square     0.9498
##                       Dependent Mean       38.50000    Adj R-Sq     0.9435
##                       Coeff Var            21.10140
##
##
##                                    Parameterschätzer
##
##                                  Parameter-      Standard-
##                Variable     DF       schätzer         fehler     t-Wert    Pr > |t|
##
##                Intercept     1      -22.00000        5.54977      -3.96      0.0042
##                x             1       11.00000        0.89443      12.30      <.0001
```