A toy SAS example

Benjamin Hofner & Annette Pfahlberg

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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