



$$f_k(x) = G_1 \left( \omega_{k0}^{(2)} + \sum_{j=1}^m \omega_{kj}^{(2)} G_0 \right)$$

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## MVAregpull

**Description:** MVAregpull computes a linear regression of sales (X1) on price (X2) from the pullovers data set ("pullover.dat")

**Download:** [MVAregpull.xpl](#)

**Code:**

```

library("xplore")
x=read("pullover")           ; reads the pullovers data
y=x[,1]                     ; prices (X2)
x=matrix(rows(x)~x[,2])     ; constant & sales (X1)
beta=gls(x, y)              ; computes beta (lin. regression)
d=x[,2]~y                   ; data points
line=min(x[,2])|max(x[,2])
m=line~(((1|1)~line)*beta)   ; regression line
setmaskl(m, (1: rows(m))', 0, 2, 2)
setmaskp(m, 0, 0, 0)
di=createdisplay(1, 1)
show(di, 1, 1, m, d)        ; shows data and regression line
setgopt(di, 1, 1, "title", "pullovers data")
setgopt(di, 1, 1, "xlabel", "price (X2)", "ylabel", "sales (X2)")

```