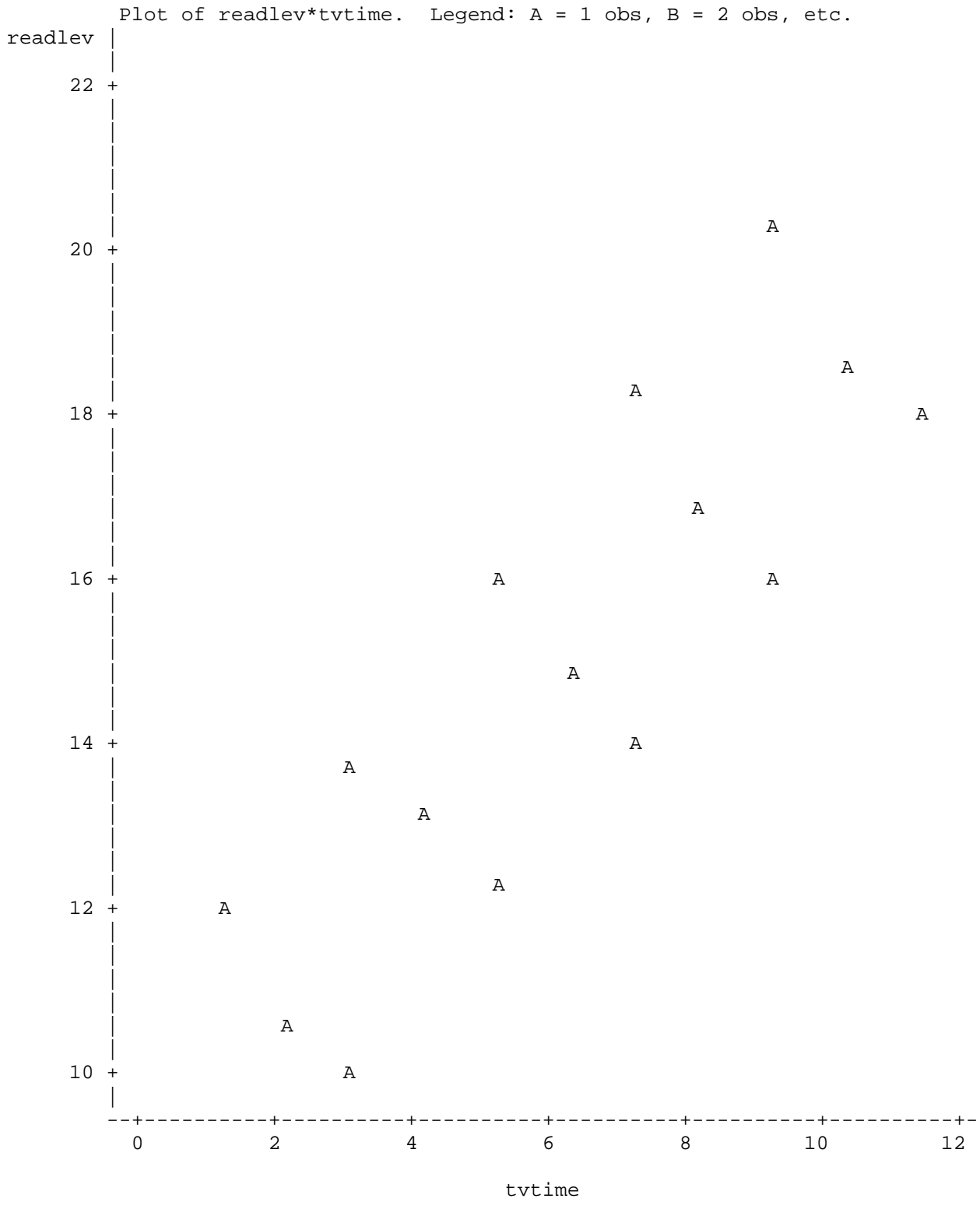


```
proc plot;  
  plot readlev*tvtime;  
run;
```



```
proc reg;
  model readlev=tvtime;
run;
```

The REG Procedure  
 Model: MODEL1  
 Dependent Variable: readlev

## Analysis of Variance

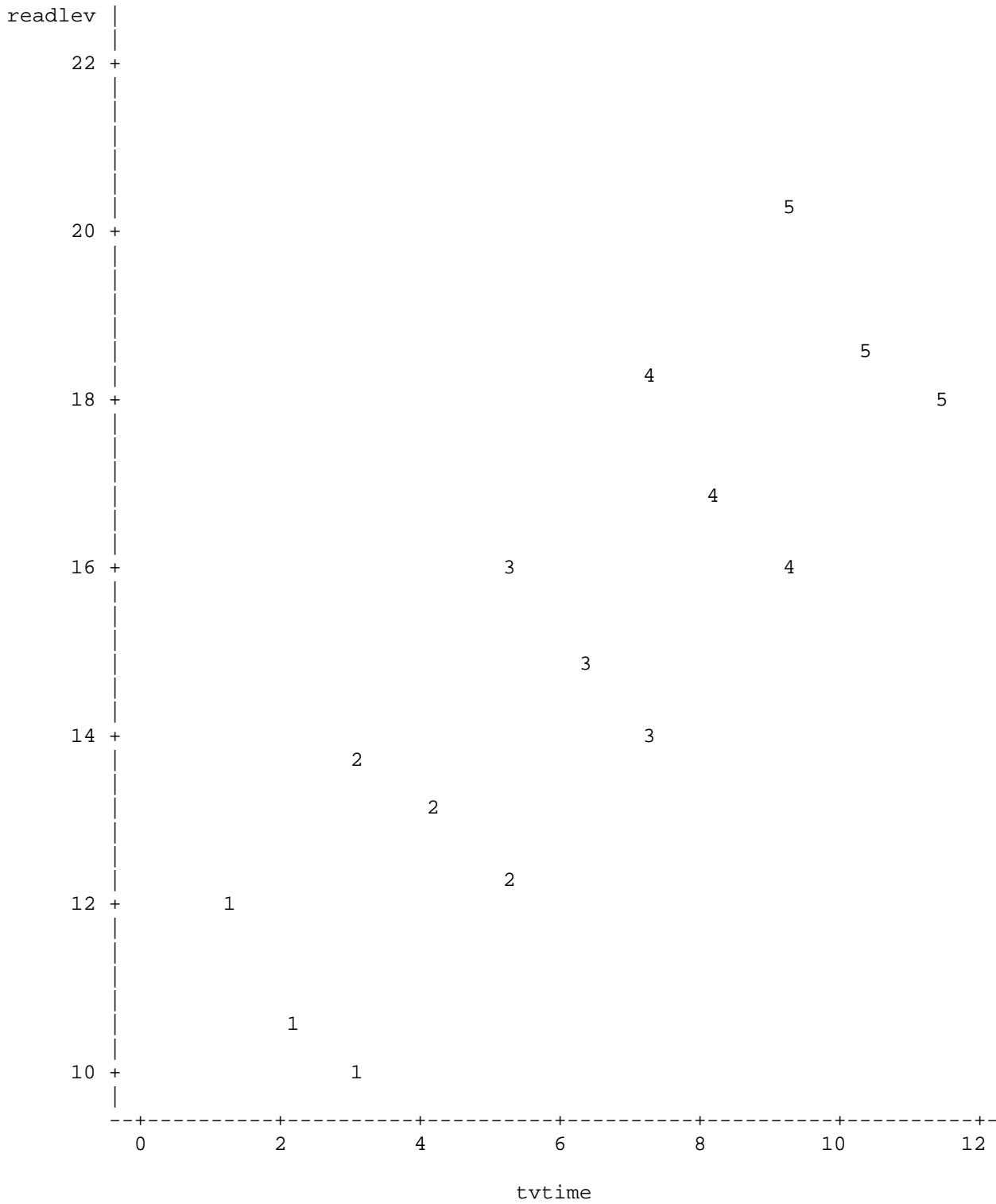
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	96.16309	96.16309	32.81	<.0001
Error	13	38.10624	2.93125		
Corrected Total	14	134.26933			

Root MSE	1.71209	R-Square	0.7162
Dependent Mean	14.97333	Adj R-Sq	0.6944
Coeff Var	11.43426		

## Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	9.70616	1.02033	9.51	<.0001
tvtime	1	0.84591	0.14769	5.73	<.0001

Plot of readlev\*tvtime. Symbol is value of grade.



```
proc reg;
  model readlev=tvtime grade;
run;
```

The REG Procedure

Model: MODEL1

Dependent Variable: readlev

#### Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	133.66270	66.83135	1322.02	<.0001
Error	12	0.60663	0.05055		
Corrected Total	14	134.26933			

Root MSE	0.22484	R-Square	0.9955
Dependent Mean	14.97333	Adj R-Sq	0.9947
Coeff Var	1.50159		

#### Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	8.99661	0.13650	65.91	<.0001
tvtime	1	-0.90873	0.06728	-13.51	<.0001
grade	1	3.87835	0.14240	27.24	<.0001