```
GET
  FILE='W:\education\RegressionJuly27.sav'.
DATASET NAME DataSet1 WINDOW=FRONT.
USE ALL.
COMPUTE filter_$=(subject = 'R').
VARIABLE LABELS filter_$ "subject = 'R' (FILTER)".
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.
USE ALL.
COMPUTE filter_$=(subject = 'R' and cntTested>=25).
VARIABLE LABELS filter_$ "subject = 'R' and cntTested>=25 (FILTER)".
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.
SORT CASES BY PctPoverty (A).
REGRESSION
  /DESCRIPTIVES MEAN STDDEV CORR SIG N
  /MISSING LISTWISE
  /STATISTICS COEFF OUTS CI(95) R ANOVA
  /CRITERIA=PIN(.05) POUT(.10)
  /NOORIGIN
  /DEPENDENT PctProf
  /METHOD=ENTER PctPoverty
  /RESIDUALS DURBIN
  /SAVE PRED ZPRED RESID ZRESID.
```

Regression -- Reading

[DataSet1] W:\education\RegressionJuly27.sav

Descriptive Statistics

	Mean	Std. Deviation	N
PctProf	.5718493483	.1545507640	5909
PctPoverty	.4138080028	.2222423211	5909

Correlations

		PctProf	PctPoverty
Pearson Correlation	PctProf	1.000	-.795
	PctPoverty	-.795	1.000
Sig. (1-tailed)	PctProf	.	.000
	PctPoverty	.000	.
N	PctProf	5909	5909
	PctPoverty	5909	5909

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method
1	PctPoverty[b]	.	Enter

a. Dependent Variable: PctProf

b. All requested variables entered.

Model Summary[b]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.795[a]	.633	.633	.0936646840	1.898

a. Predictors: (Constant), PctPoverty

b. Dependent Variable: PctProf

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	89.296	1	89.296	10178.370	.000[b]
	Residual	51.823	5907	.009		
	Total	141.118	5908			

a. Dependent Variable: PctProf

b. Predictors: (Constant), PctPoverty

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound
1	(Constant)	.801	.003		310.922	.000	.796	.806
	PctPoverty	-.553	.005	-.795	-100.888	.000	-.564	-.542

a. Dependent Variable: PctProf

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	.2475785315	.8007604480	.5718493483	.1229404350	5909
Residual	-.427836359	.5491471887	.0000000000	.0936567568	5909
Std. Predicted Value	-2.638	1.862	.000	1.000	5909
Std. Residual	-4.568	5.863	.000	1.000	5909

a. Dependent Variable: PctProf

```
USE ALL.
COMPUTE filter_$=(subject = 'M' and cntTested>=25).
VARIABLE LABELS filter_$ "subject = 'M' and cntTested>=25 (FILTER)".
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.
REGRESSION
  /DESCRIPTIVES MEAN STDDEV CORR SIG N
  /MISSING LISTWISE
  /STATISTICS COEFF OUTS CI(95) R ANOVA
  /CRITERIA=PIN(.05) POUT(.10)
  /NOORIGIN
  /DEPENDENT PctProf
  /METHOD=ENTER PctPoverty
  /RESIDUALS DURBIN
  /SAVE PRED ZPRED RESID ZRESID.
```

Regression -- Math

Descriptive Statistics

	Mean	Std. Deviation	N
PctProf	.5904141227	.1793709794	5912
PctPoverty	.4133134446	.2222299213	5912

Correlations

		PctProf	PctPoverty
Pearson Correlation	PctProf	1.000	-.628
	PctPoverty	-.628	1.000
Sig. (1-tailed)	PctProf	.	.000
	PctPoverty	.000	.
N	PctProf	5912	5912
	PctPoverty	5912	5912

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method
1	PctPoverty[b]	.	Enter

a. Dependent Variable: PctProf

b. All requested variables entered.

Model Summary[b]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.628[a]	.395	.395	.1395718451	1.932

a. Predictors: (Constant), PctPoverty

b. Dependent Variable: PctProf

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	75.052	1	75.052	3852.694	.000[b]
	Residual	115.129	5910	.019		
	Total	190.180	5911			

a. Dependent Variable: PctProf

b. Predictors: (Constant), PctPoverty

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound
1	(Constant)	.800	.004		208.690	.000	.792	.807
	PctPoverty	-.507	.008	-.628	-62.070	.000	-.523	-.491

a. Dependent Variable: PctProf

Residuals Statistics[a]

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	.2929372489	.7999829054	.5904141227	.1126807167	5912
Residual	-.615938127	.5767340660	.0000000000	.1395600385	5912
Std. Predicted Value	-2.640	1.860	.000	1.000	5912
Std. Residual	-4.413	4.132	.000	1.000	5912

a. Dependent Variable: PctProf