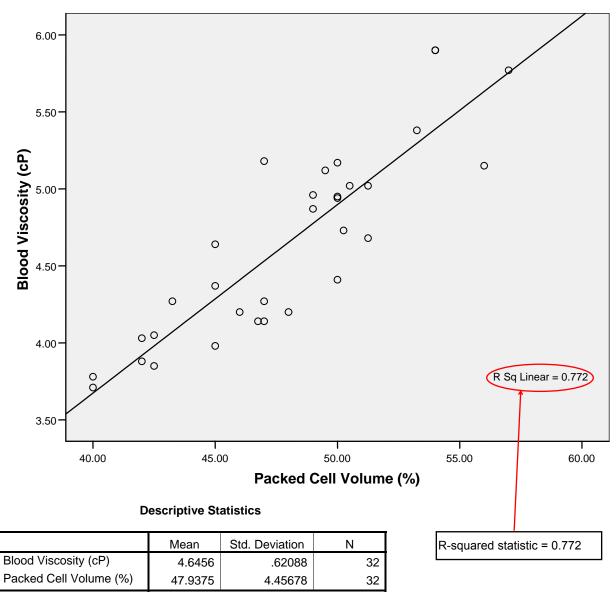
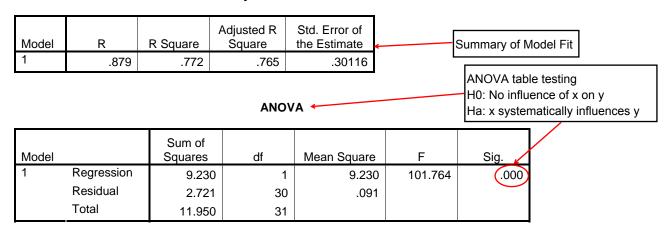
## MATH 204 - PRINCIPLES OF STATISTICS 2 VISCOSITY vs PCV Regression Analysis



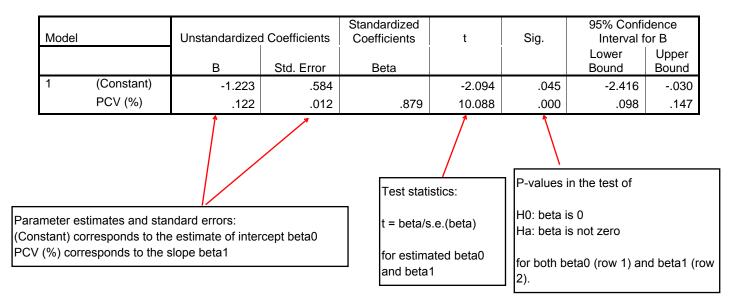
## Correlations

		Blood Viscosity (cP)	Packed Cell Volume (%)	
Pearson Correlation	Blood Viscosity (cP)	1.000	.879	
	Packed Cell Volume (%)	.879	1.000	
Sig. (1-tailed)	Blood Viscosity (cP)		000	
	Packed Cell Volume (%)	.000		Correlation coefficient r=0.87
N	Blood Viscosity (cP)	32	32	
	Packed Cell Volume (%)	32	32	

## **Model Summary**



## Coefficients



The ANOVA test is a global test of the regression model; specifically it tests whether the covariate x is an influential variable that is associated with a systematic change in response y.

The F statistic is still of the form

F=MSR/MSE

but now MSR is the Mean Square for Regression. If x not is associated with changing y, then

F ~ Fisher(1,n-2)

which is of precisely the same form as the null distribution in ANOVA - Fisher(k-1,n-k) - where

k = number of parameters estimated = 2