

Objects in Regression Table

* **COEF (Coefficient)**

Estimates for the marginal effect of variable on outcome (e.g. a 1 unit increase in x1 is associated with a 0.5 unit increase in y)

* **STD. ERR. (Standard Error)**

Sample standard deviation of estimate. Informs about the precision of the estimate.

* **T (T-Value)**

Ratio of the coefficient to the standard error. The test statistic for a single t-test of the null hypothesis that the variable has zero effect on the outcome.

* **P>|t| (P-Value)**

The lowest significance level at which the variable would be statistically significant (e.g. p-value of 0.020 indicates significance at the 5% level but not the 1% level).

* **R-Squared**

Variance in the outcome (y) explained by variance in the regression variables (x1, x2, x3)

Concepts

* **Statistical significance level**

The tolerance level for error of supposing there is a statistically significant effect when in reality the variable has no effect of the outcome. Usually 10% (marginal), 5% (standard), 1% (strong)

* **Omitted Variables**

Variables *not* *included* in the regression which are *correlated* with the outcome *and* a variable included in the regression. These variables bias the coefficients.