**USEFUL FORMULAS**

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**Standard error of the estimate **

**Coefficient of Determination = r2 = = **

**Standard error of the slope = Sb= **

**Standard error of forecast = Sf = **

**Standard error of conditional mean = **

**Coefficient of correlation = r =  
Sum of Squares Regression = SSR =**

**Sum of Squares Error = SSE == **

**Sum of Squares Total = SST =**

**Testing significance of r: t = **

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Sum of Squares Between = SSB = SSTR=

Sum of Squares Within = SSW = SSE ==

Sum of Squares Total = SST ==

Fc = MSTR/MSE (Or F = MSB/MSW)

Or **Fc  = SSB/c-1**

**SSW/n-c**

**** Pooled Variance = 

 

