

## Homework Assignments

1. Read Chapter 26 (pages 606 – 627)
2. Pages 628 – 631 (5, 6, 10, 11, 15)
3. Pages 631 – 633 (21, 23, 26, 33): **GRADED**
4. Pages 628 – 632 (1, 2, 16, 20, 25)
5. '97 AP Stat Scores IT: **GRADED**
6. Read Chapter 27 (pages 634 – 657)
7. Pages 658 – 663 (1, 5, 9, 10, 20)
8. Pages 659 – 663 (4, 11, 12, 13, 14, 19, 24): **GRADED**
9. *Pages 28-27 to 28-28 (1, 4, 5, 6, 8)*
10. *Pages 28-29 to 28-31 (13, 14, 18)*
11. *Pages 28-29 to 28-33 (11, 16, 19, 21)*
12. *Pages 29-23 to 29-28 (1, 3, 4, 10, 14)*
13. *Pages 29-24 to 29-29 (6, 7, 11, 16)*

## Vocabulary

Adjusted $R^2$	Conditions for inference in regression (and checks for some of them)	Least squares
ANOVA	* Confidence interval for a predicted mean value	Minimum significant difference (MSD)
ANOVA model	Confidence interval for the regression slope	Multiple comparisons
ANOVA table	Contingency table	Multiple regression
Assumptions for ANOVA (and conditions to check)	Error mean square ( $MSE$ )	Partial regression plot
Assumptions for inference in regression (and conditions to check for some of them)	$F$ -distribution	* Prediction interval for an individual
Balance	$F$ -statistic	Residual standard deviation
Bonferroni method	$F$ -test	Scatterplot matrix
Cell	Goodness-of-fit	Standardized residual
Chi-square component	Homogeneity	$t$ -ratios for the coefficients
Chi-square models	Independence	Treatment mean square ( $MST$ )
Chi-square statistic	Least significant difference (LSD)	$t$ -test for the regression slope
		Two-way table