Project Requirements – Fall 2011 – Due: November 22, 2011
Business Statistics with Computer Applications II (MS 3043)

1. Go to this site: http://www.beer100.com/beercalories.htm
2. Determine which one of the three variables you want to be your predictor variable, and which one you want to be your criterion variable.
3. Select 20 beers that you would like to include in your analysis—try not to just pick the first 20 beers.
4. Conduct a Regression Analysis in Excel using only two variables (those you selected in step 2).
5. Using your Excel output:
    - If predicting calories, predict the calorie level for a beer with an alcohol level of 4.95%, or 8.75 g of carbs.
    - If predicting alcohol level, predict the alcohol level for a beer with 155 calories, or 9.25 g of carbs.
    - If predicting carbs, predict the number of carbs for a beer with 5.15% alcohol, or 160 calories.
6. Show your work. Show the formula, and how you used the numbers from Excel to make your prediction.
7. Include a printout of your Excel results. Highlight the slope and intercept number you used for the calculation.

Requirements:

- Two-pages.
    - Page 1: your calculations and predicted y value (step 3).
    - Page 2: your Excel printout and the data list you used (step 4).
- 12 point font, double-spaced.
- Must be professional-looking (so, spell check and have a friend read it).