CHAPTER 2 COURSE MATERIAL & ASSIGNMENT

Sections 2.1 - 2.4 (Lecture material)

- Section 2.1 - http://marin.edu/~npsomas/Math115/Ch2/Lecture_PPT.Section2.1.ppt.pdf
- Section 2.2 - http://www.marin.edu/~npsomas/Math115/Ch2/Lecture_PPT.Section2.2.ppt.pdf
- Section 2.3 - http://www.marin.edu/~npsomas/Math115/Ch2/Lecture_PPT.Section2.3.ppt.pdf
- Section 2.4 - http://www.marin.edu/~npsomas/Math115/Ch2/Lecture_PPT.Section2.4.ppt.pdf

Homework Exercises

- **Section 2.1:** 2.13, 2.15*, 2.16*, 2.17*, 2.18, 2.19, 2.24*, 2.25*, 2.29, 2.33, 2.34*, 2.35
- **Section 2.2:** 2.47 - 2.51*, 2.53*, 2.57, 2.60*
- **Section 2.3:** 2.66*, 2.67 - 2.69, 2.73*, 2.83*, 2.84*
- **Section 2.4:** 2.99*, 2.100*, 2.109*

What to Study

(1) Read sections 2.1, 2.2, 2.3, & 2.4 and work out all the examples and Use Your Knowledge exercises.

(2) Chapter 2 Overview Notes:
http://www.marin.edu/~npsomas/Math115/Ch2/Correlation_&_Regression_Overview.pdf

(3) Watch programs 7, 8, & 9 (and optionally 10 & 11) from the Against All Odds series:
http://www.learner.org/resources/series65.html

(4) Summary Lecture:
http://marin.edu/~npsomas/Math115/Ch2/Lecture_PPT.Ch2_Summary.ppt.pdf

Chapter 2 Assignment (Assignment #4)

Use the beer data to do a correlation, regression, and residual analysis for % Alcohol vs. Calories for all the Miller brand beers.

Use the worksheet on this link as an example.
http://www.marin.edu/~npsomas/Math115/Ch2/Worksheets/ch2_worksheet1.pdf

Full Credit = 10 pts

Legibly hand-written assignments with all charts drawn to scale on graph paper are acceptable.
If you do the assignment in MS Word or Excel, then you don't need to turn in a printed copy, just send your assignment to me in an email attachment.

Miller Brand Beer Data

Brewery	%Alcohol	Calories	Carbohydrates
Miller	5	132	8.7
Miller	4.7	144	12.1
Miller	4.7	144	12.1
Miller	4.1	110	7.3
Miller	5.6	157	11.2
Miller	5.6	157	11.2
Miller	4.7	143	13.1
Miller	4.2	110	7
Miller	4.7	143	13.1
Miller	4.2	110	7
Miller	4.2	96	3.2
Miller	4.5	128	11.4
Miller	4.5	98	3.5
Miller	5.9	144	7.3
Miller	5.9	160	10.5
Miller	4.8	150	9.9
Miller	4.2	135	11.5
Miller	4.9	151	12.2
Miller	5.1	161	14
Miller	4.6	147	13