Unit 2 – Exploring Two-Variable Data

5 – 7% Exam Weight

*Note: Schedule is subject to change, please check moodle for most updated information.

Day	Lesson and Objectives	Assignment
9/24	**Notes 1 – Two Categorical Variables** • UNC-1.P Compare numerical and graphical representations for two categorical variables. • UNC-1.Q Calculate statistics for two categorical variables. • UNC-1.R Compare statistics for two categorical variables.	HW 1
9/25	**Activity: Vitruvian Man Part I**	Vitruvian Man Part II
9/26	**Notes 2 – Scatterplots and Correlation** • VAR-1.D Identify questions to be answered about possible relationships in data. • UNC-1.S Represent bivariate quantitative data using scatterplots. • DAT-1.A Describe the characteristics of a scatter plot. • DAT-1.B Determine the correlation for a linear relationship. • DAT-1.C Interpret the correlation for a linear relationship.	HW 2
9/29	**Unit 2 Quiz**	
9/30	**Notes 3 – Linear Regression** • DAT-1.D Calculate a predicted response value using a linear regression model. • DAT-1.E Represent differences between measured and predicted responses using residual plots. • DAT-1.F Describe the form of association of bivariate data using residual plots. • DAT-1.G Estimate parameters for the least-squares regression line model. • DAT-1.H Interpret coefficients for the least-squares regression line model.	
10/1	**Finish Notes 3**	HW 3
10/2	**Activity: Handspan vs Chocolate Grab**	Finish questions in activity

10/3	**Notes 4 – Influential Points and Departure from Linearity** • DAT-1.I Identify influential points in regression. • DAT-1.J Calculate a predicted response using a least-squares regression line for a transformed data set.	HW 4
10/6	**Unit 2 Circuit**	HW Unit 2 Circuit
10/7	**Unit 2 Class Summary and Unit 2 Review Worksheet**	Unit 2 Test Review
10/8	**Unit 2 Trivia Review Game**	
10/9	**Unit 2 Test**	