

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
9/25	Notes 1 – Two Categorical Variables <ul style="list-style-type: none"> • 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
9/26	Activity: Vitruvian Man Part I	Vitruvian Man Part II
9/27	Notes 2 – Scatterplots and Correlation <ul style="list-style-type: none"> • 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
9/30	Unit 2 Quiz	
10/1	Notes 3 – Linear Regression <ul style="list-style-type: none"> • 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. 	
10/2	Finish Notes 3	HW 3
10/3	Activity: Handspan vs Chocolate Grab	Finish questions in activity

10/4	Notes 4 – Influential Points and Departure from Linearity <ul style="list-style-type: none"> • 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
10/7	Unit 2 Circuit	HW Unit 2 Circuit
10/8	Unit 2 Class Summary and Unit 2 Review Worksheet	Unit 2 Test Review
10/9	Unit 2 Trivia Review Game	
10/10	Unit 2 Test	