**Outline of material for SCMA 632 Quiz 2 that includes Quiz 1 foundation**

**The chapters/sections of *Statistics for Business: Decision Making and Analysis*** listed below cover the material that could be the source of questions for SCMA 632 Quiz 2.

Part One

Chapter 2, Data

Chapter 4, Describing Numerical Data

Chapter 5, Association between Categorical Variables

Chapter 6, Association between Quantitative Variables

Part Two

Chapter 7, Probability

Section 8.2, Dependent Events

Sections 9.1 & 9.2, Random Variables

Sections 10.2 & 10.4, Distribution and Dependence of Random Variables

Chapter 12, The Normal Probability Model

Part Three

Chapter 13, Samples and Surveys

Section 14.1, Sampling distribution of the Mean

Chapter 15, Confidence Intervals

Chapter 16, Statistical Tests

Chapter 17, Comparison (omit 17.2 & 17.3)

Part Four

Chapter 19, Linear Patterns, Sections 19.1 through 19.5

Chapter 21, The Simple Regression Model, Sections 21.1 through 21.4

Prediction Interval for the Mean of Y for a given value of X (not covered in the Stine text)

Chapter 22, Regression Diagnostics, Sections 22.1 up to Fixing the Problem & 22.2

Chapter 23, Multiple Regression, Sections 23.1 through 23.5

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**Quiz 2 will be cumulative but with a focus on the material listed below (multiple regression and ANOVA)**. Hence all of the material covered throughout the semester is listed on this sheet.

Chapter 20, Curved Patterns, Sections 20.1 through 20.14 and

 Polynomial models (not covered in the Stine text)

Chapter 22, Regression Diagnostics, Sections 22.1 & 22.2

Chapter 23, Multiple Regression, Sections 23.1 through 23.5

Chapter 24, Building Regression Models, Sections 24.1 through 24.3

Chapter 25, Categorical Explanatory Variables (Dummy Variables & Interaction),

 Sections 25.1 through 25.5

Stine pdf, Sections 1, 2 & 3

Chapter 26, Analysis of Variance, Sections 26.1 through 26.4 and

 Two-way or Two Factor ANOVA (not covered in the Stine text)