



## QSO 510 Scenario Analysis Guidelines and Rubric

Knowledge of statistics is important foundational knowledge for analyzing data. Equally important is what you can do with that information. An overarching goal of this course is to consider how statistics informs decision making, or data-based decision making. Throughout this course, you will be asked to make decisions and then to consider the impact of those choices. Whether in stock trading, in car sales, or on the production floor, the decisions you make as a business professional should be directly influenced by the data available to you. Careful analysis is the key to data-based decision making.

Each module task below provides a scenario and a list of questions for you to answer using data-based decision making.

- Module Two: Stock Options
- Module Four: Cars Sold
- Module Five: Computer Chips
- Module Six: Vacation Time
- Module Eight: Promotion
- Module Ten: Printing Equipment

Specifically, the following **critical elements** must be addressed:

- I. **Main Elements**
- II. **Integration and Application**
- III. **Analysis**
- IV. **Critical Thinking**

**Guidelines for Submission:** Your analysis of the scenario must be submitted as a 1- to 2-page Microsoft Word document with double spacing and 12-point Times New Roman font.

**Rubric**

<b>Critical Elements</b>	<b>Exemplary (100%)</b>	<b>Proficient (90%)</b>	<b>Needs Improvement (70%)</b>	<b>Not Evident (0%)</b>	<b>Value</b>
<b>Main Elements</b>	Thoroughly addresses each of the main elements found in the individual prompts and guiding questions for each scenario	Adequately addresses all of the main elements found in the individual prompts and guiding questions for each scenario	Addresses most but not all of the main elements found in the individual prompts and guiding questions for scenario	Addresses less than half of the main elements found in the individual prompts or guiding questions for each scenario	20
<b>Integration and Application</b>	All of the course concepts are correctly applied	Most of the course concepts are correctly applied	Some of the course concepts are correctly applied	Does not correctly apply any of the course concepts	20
<b>Analysis</b>	Meets “Proficient” and the quality of the statistical analysis is above minimum quality standards for competent	Represents competency with respect to the statistical analysis	Statistical analysis is evident, but does not meet standards	Statistical analysis is not evident	40
<b>Critical Thinking</b>	Draws insightful conclusions that are thoroughly defended with peer-reviewed evidence and examples	Draws informed conclusions that are justified with evidence based on peer-reviewed research	Draws logical conclusions, but does not defend with evidence based on peer-reviewed research	Does not draw logical conclusions	10
<b>Articulation of Response</b>	Submission is free of errors related to citations, grammar, spelling, syntax, and organization and is presented in a professional and easy to read format	Submission has no major errors related to citations, grammar, spelling, syntax, or organization	Submission has major errors related to citations, grammar, spelling, syntax, or organization that negatively impact readability and articulation of main ideas	Submission has critical errors related to citations, grammar, spelling, syntax, or organization that prevent understanding of ideas	10
<b>Earned Total</b>					<b>100%</b>