



### DAT 520 Milestone One Guidelines and Rubric

For your project, choose a data set from the curated list of sources (Final Project Topics and Sources.xls), or you may submit your proposal for a different data source than these listed. Refer to the Final Project Notes document in the Assignment Guidelines and Rubrics folder for further guidance on this milestone.

Your submission should include all of the following:

- A **research question** that is relevant to the decision analysis techniques you will employ.
- A **data set choice** that is complementary to the research question.
- An **explanation** of the data set, why it was chosen, and what its relationship is to the research question.

**Guidelines for Submission:** Submit 1 to 2 pages of writing explaining your intended research question. The document should be double spaced, using 12-point Times New Roman font and one-inch margins. Your submission should include your selected data set and explanation for choosing it and your research question and explanation for choosing it.

| Critical Elements               | Proficient (100%)  | Needs Improvement (70%)   | Not Evident (0%)   | Value       |
|---------------------------------|--|---|--|-------------|
| <b>Research Question</b>        | Research question has the qualities of being appropriate for decision analysis techniques  | Research question needs some rework to become appropriate for decision analysis   | No research question is provided, or is not viable for decision analysis   | 30          |
| <b>Data Set Choice</b>          | Research question and chosen data set(s) are complementary                                 | Research question and data set(s) are partially complementary   | Data set(s) and research question are not appropriate for each other   | 30          |
| <b>Explanation</b>              | Characterizes the chosen data set(s), source, and how it relates to the research question. | Limited characterization of the data and sources  | No characterization of the data and sources was provided   | 30          |
| <b>Articulation of Response</b> | Submission has no major errors related to grammar, spelling, syntax, or organization       | Submission has major errors related to grammar, spelling, syntax, or organization that negatively impact readability and articulation of main ideas | Submission has critical errors related to grammar, spelling, syntax, or organization that prevent understanding of ideas | 10          |
| <b>Earned Total</b>             |  |   |  | <b>100%</b> |