**Project 2 | Data Science**

Your project will be assessed using the following standards, as defined by the data science workflow:

* **Parse & Mine**

Acceptable performance for this standard is based on how well you've applied specific learning goals within your deliverable. To review the full list of data science standards, see the course syllabus.

**PARSE & MINE**

**Meets Expectations**: Did you: Read in your data? Perform exploratory analysis of your data? Verify the quality of your data? Application of these learning goals will be assessed using the requirements below:

**Performance Evaluation**

Mark boxes with an 'X'

| **Requirements** | **Incomplete (0)** | **Does Not Meet Expectations (1)** | **Meets Expectations (2)** | **Exceeds Expectations (3)** |
| --- | --- | --- | --- | --- |
| Read in your dataset, determine how many samples are present, and ID any missing data |  |  |  | 3 |
| Create a table of descriptive statistics for each of the variables (n, mean, median, standard deviation) |  |  |  | 3 |
| Describe the distributions of your data |  |  |  | 3 |
| Plot box plots for each variable |  |  |  | 3 |
| Create a covariance matrix |  |  |  | 3 |
| Determine any issues or limitations, based on your exploratory analysis |  |  | 2 (see notebook for details) |  |
| Outline exploratory analysis methods |  |  |  | 3 |

Notes:

**Score:**

Based on the requirements, you can earn a maximum of **21** points on this project.

**Your total score is: 20**

**PROGRESS REPORT**

| **WHAT’S GOING WELL?** | **STRUGGLES** | **DEVELOPMENT PLAN** |
| --- | --- | --- |
| Great use of functions to achieve tasks. Uses good visualizations where possible. | Nothing stands out. | Review the project solution code and practice the syntax for different ways of doing the same thing. |
|  |  |  |