**IST 644: Managing Data Science Projects**

**Description**

Synthesize what you have learned via the creation of a paper, which could be thought of as a book / guide for others (or yourself later, when you might forget a bit of this content) who want to manage / lead data science teams.

The outline of the guide should include, at a minimum:

* Why managing a data science project is important (~1 page)
* How is a data science project different from other IT projects? How might it be similar? (~1 page)
* Provide a description of the types of frameworks that could be used on data science projects (~1 page)
* Provide an explanation of the different key frameworks that might be used - using the type of framework structure defined above (~1/2 page per framework)
* Explain how to select a framework - hints on how / why to choose the different alternatives (~2 pages)
* For the DDS framework, answer the following questions (1/2 page to 1 page):
* On a scale of 1 to 5 (5 is highest) How likely are you to suggest using DDS
* Do you think DDS is better or worse than Scrum (for data science project).
* Explain your thoughts in how you answered these two questions.
* Repeat this analysis (i.e., answer the three bullets above) for:
* Kanban, Scrum, CRISP-DM and Uber
* Discuss potential ethical situations that might arise in a data science project, and how a team's process could reduce the risk of the project doing something that is not ethical (~1 to 2 pages)
* Create a FAQ to address what you think would be common question from new DS project managers (~1 to 2 pages)

**Required Tools**

* MS Word

**Table of Contents**

1. README.md
   * Overview Document detailing repository contents
2. IST\_644\_Williams\_Jennifer\_Reflection\_Paper
   * Project Report