# IST 707 Project Description

The purpose of this project is to complete a data mining analysis for a career transition program focused on helping veterans and those transitioning out of the military. The data selected for this analysis is from an organization that is currently assisting transitioning active-duty service members, veterans, and their spouses with career transition. This program is focused industry recognized certifications in IT and project management and assists program participants with finding a job after program completion. While business intelligence reporting has been conducted for various reasons in support of the program, an in-depth data mining analysis to look for unknown insights has never been conducted. The data being used for this project has been processed by the organization and will need very little additional processing. The data includes demographic factors along with course selection and military information. SAS utilizes two data types, character and numeric. While each data types can utilize formats to adjust the look of the data, the data remains the same under neither the format. Continuous variables will be changed into discrete variables, placing them into bins. Model documentation will be reviewed to ensure the data processing matches the models selected for the analysis.

The project contains the following items:

1. Project Report – Contains project information, data preparation, data evaluation, data exploratory analysis and model results.
2. Project Code – Contains commented code including data cleaning and model creation