

Data Science Project

As part of this course, students will acquire basic understanding of data analytics and data-driven decision making and will gain hands-on-experience on using data science tools and techniques. This particular enhancement is supported by UNC Research Opportunities Initiative (ROI) award “Winston-Salem State University Center for Applied Data Science”.

Data Science Project Assignment

You will receive an initial homework assignment to practice regression analysis after receiving instruction on the usefulness of the concept. In the initial homework assignment, students will perform regression analysis on his/her own. A group discussion will allow students to explain and further understand the concepts in the regression analysis.

Students will then use data from a specific publication provided by the professor to perform a regression analysis. Students will explain each variable and describe whether it has a good correlation in the formula and whether it is significant similar to how they did in the homework assignment. Students will create a best fit formula and a graph.

Rubric (Each item must be on time or will not accepted): 100 points total

Initial Homework Assignment:

- Analysis - 3 points
- Best fit formula (Excel) - 3 points
- Graph (Excel) - 4 points

Main Data Project:

- Excel sheet submitted with best fit formula - 20 points
- Graph - 20 points
- A few sentences explaining the significance of the analyses - 20 points
- 5-minute presentation concerning your particular variable - 30 points