

## MATH/STAT 4395: SENIOR PROJECT

A project on a mathematics/statistics related topic under the guidance of a member of the Mathematics and Statistics faculty. A formal written report and an oral presentation are required.  
(This form is needed when the student takes Math/Stat 4395 as an independent study course.)

*Prerequisite:* Senior standing, formal approval by the prospective project advisor and the department chair.

Student Name:	Dorcas Mbaeri		
Student ID:	900 322 767	Major:	Math, Computer Science
Student Email:	mbaerid1@gator.uhd.edu		
Semester:	Spring 2018	CRN:	23940

Senior Project Advisor:	Dr. J. King
Committee Member 1:	
Committee Member 2:	

Project Title	Exploring Some Applications and Methods for Data Analysis Using Statistical and Open-Source Programming
Project Description	Data is a rich and infinitely expanding aspect of today's workforce. While data carries so much information that can be overwhelming, a challenging and promising part of data is analyzing and interpreting the insights to provide solutions and more in-depth topics for further study. Data science is a growing field that demonstrates this. In fact, data analysis is one essential component of data science. In this project, we will study some statistical analysis methods, such as linear and non-linear regression, hypothesis testing and Bayesian modeling using a large dataset. We will implement this study using Python, R and SAS.

Project Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Department Chair Signature: \_\_\_\_\_ Date: \_\_\_\_\_