

Data Analysis using Python and R
Winter Intersession 2012
Syllabus

Class Time	Monday, Tuesday, Wednesday, Thursday, Friday, 1:00 PM - 4:45 PM
Classroom	Weir 235
Instructor	James Church
Personal Webpage	http://home.olemiss.edu/~jcchurch/
Course Web page	https://github.com/jcchurch/PythonAndR
Office	Weir 232
Office Hours	Monday through Friday, any time in the morning, or by appointment
Email	jcchurch@olemiss.edu
Required Text	Data Analysis with Open Source Tools, by Philip K. Janert, ISBN: 9780596802356
Course Description	This course will have a dual focus. The first focus is about data analysis from a scientific perspective. We will be discussing how to sample and analyze data (both small and large) and build models based on our assumptions. We will be using the tools Python and R. The second focus of this course is to teach the student all of the syntax behind Python and R.
Course Pre-requisites	CSCI 211 (Computer Science III)
Final Examination	Monday, June 22 at 4 p.m.
Grading	The overall grade for this course will be determined according to the following weights: Homework (60%), Test 1 (10%), Test 2 (10%), Final Exam (20%)
Grading Scale for this class	$A(\geq 90)$, $B(\geq 80, < 90)$, $C(\geq 70, < 80)$, $D(\geq 60, < 70)$, $F(< 60)$
Professional Conduct Policy	All students in CSCI 390 Section 1 are expected to conduct themselves in a professional manner according to the Honor Code of the School of Engineering, the Information Technology Appropriate Use Policy, the M Book, and any other relevant policies. "The Honor Code shall apply to all students, both undergraduate and graduate, registered in and/or seeking degrees through the School of Engineering. The Honor Code shall be understood to apply to all academic areas of the School such as examinations, quizzes, laboratory reports, themes, computer programs, homework, and other possible assignments. Only that work explicitly identified by the class instructor not to be under the Honor Code is excluded. The intent of the Honor Code is to recognize professional conduct and, thus, it shall be deemed a violation of the Honor Code to knowingly deceive, copy, paraphrase, or otherwise misrepresent your work in a manner inconsistent with professional conduct."
Student Disabilities Services Statement	"It is the responsibility of any student with a disability who requests a reasonable accommodation to contact the Office of Disability Services (915-7128). Contact will then be made by that office through the student to the instructor of this class. The instructor will then be happy to work with the student so that a reasonable accommodation of any disability can be made."
Notes on Assignments	Some assignments will require you to write source code and send that code to the instructor. Please send your assignments from a real e-mail account. I'll be sending your feedback through that account. There are 7 assignments total. All assignments are due at 8 AM of the due date (this is so that I may grade them and hand them back the same day).