Instructors

Ken Lawson, Ph.D. (Coordinator) 471-5609 PHR 3.209C ken.lawson@austin.utexas.edu
Jamie Barner, Ph.D. 471-5612 PHR 3.210D jbarner@austin.utexas.edu
Karen Rascati, Ph.D. 471-1637 PHR 3.209 krascati@austin.utexas.edu

Course Overview

This course is designed to teach students the use of SAS and Stata for Windows statistical analysis software. The course will cover data coding, data management, choice of appropriate statistical procedures, procedure commands for SAS and Stata, and interpretation and reporting of results. In addition, it will cover construction of tables and graphs for appropriate and effective display and dissemination of results.

Materials

Handouts distributed in class or accessible through Canvas.

Optional:


Stata on-line documentation: http://www.stata.com/features/documentation

Evaluation

Students will be evaluated on their performance on a variety of homework assignments and a data analysis project. Points are allocated as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coding (1)</td>
<td>50</td>
</tr>
<tr>
<td>SAS Homework (2)</td>
<td>100</td>
</tr>
<tr>
<td>Stata Homework (3)</td>
<td>150</td>
</tr>
<tr>
<td>Data Analysis Project (1)</td>
<td>200</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>500</strong></td>
</tr>
</tbody>
</table>
Homework assignments will consist of exercises over material covered in class or assigned readings. Specific information and due dates for homework assignments will be given by the instructor responsible for that topic. Grades for late homework assignments will be reduced by 10% unless specific arrangements have been made with the instructor in advance of the due date.

By class time on July 18, 2018 each student should ask one of the instructors (Drs. Barner, Lawson, or Rascati) for a data analysis project. Typically, the instructor will give the student a dataset and a series of questions to answer about the dataset using statistical analyses. The assignment is due before class on August 15, 2018.

### Course Grades

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Course Average (Percent)</th>
<th>Grade Points</th>
<th>Letter Grade</th>
<th>Course Average (Percent)</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>93% - 100%</td>
<td>4.0</td>
<td>B-</td>
<td>80% - 82%</td>
<td>2.67</td>
</tr>
<tr>
<td>A-</td>
<td>90% - 92%</td>
<td>3.67</td>
<td>C+</td>
<td>77% - 79%</td>
<td>2.33</td>
</tr>
<tr>
<td>B+</td>
<td>87% - 89%</td>
<td>3.33</td>
<td>C</td>
<td>73% - 76%</td>
<td>2.0</td>
</tr>
<tr>
<td>B</td>
<td>83% - 86%</td>
<td>3.0</td>
<td>C-</td>
<td>70% - 72%</td>
<td>1.67</td>
</tr>
</tbody>
</table>

### Schedule (unless changes occur during the semester)

June 13 through July 11: **Wednesdays from 1P to 3:45P in PHR 3.114B**

July 18 through August 15: **Wednesdays 9A to 11:45A for in PHR 3.114B**

<table>
<thead>
<tr>
<th>#</th>
<th>Date</th>
<th>Topic</th>
<th>Assigned</th>
<th>Due</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>June 13</td>
<td>Course Introduction Data Coding / SAS</td>
<td>Coding HW1</td>
<td>Lawson Barner / Rascati</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>June 20</td>
<td>SAS</td>
<td>SAS HW1</td>
<td>Coding HW1 Barner / Rascati</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>June 27</td>
<td>SAS</td>
<td>SAS HW1</td>
<td>Barner / Rascati</td>
<td></td>
</tr>
<tr>
<td></td>
<td>July 4</td>
<td>Holiday</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>4</td>
<td>July 11</td>
<td>SAS</td>
<td>SAS HW2</td>
<td>Barner / Rascati</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>July 18</td>
<td>SAS SQL Last Day for Assignment of Data Analysis Project</td>
<td>SAS HW2</td>
<td>Rascati</td>
<td></td>
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<tr>
<td>6</td>
<td>July 25</td>
<td>Stata</td>
<td>Stata HW1</td>
<td>Lawson / Rascati</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Aug 1</td>
<td>Stata</td>
<td>Stata HW2</td>
<td>Stata HW1 Lawson / Rascati</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Aug 8</td>
<td>Stata</td>
<td>Stata HW3</td>
<td>Stata HW2 Lawson / Rascati</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Aug 15</td>
<td>Table / Graph Construction</td>
<td></td>
<td>Stata HW3 Data Analysis Project</td>
<td>Lawson</td>
</tr>
</tbody>
</table>
Class Recordings

Course lectures/demonstrations will be recorded and available through Canvas. Video-recordings of a class made available by the College of Pharmacy are intended solely for the purpose of review by students currently enrolled in that class. Faculty and students utilizing class video-recordings should be careful to not compromise the privacy of either themselves or other users or the rights of the presenter (http://registrar.utexas.edu/students/records/ferpa). In addition, students who wish to make their own personal recordings (audio and/or video) during class must first secure permission from the presenter. Any additional distribution of College- or student-generated recordings (regardless of format) is prohibited without the written and signed permission of the presenter and students identifiable on the recording.

Canvas and E-Mail

The official Canvas web site for this course can be accessed through UTDirect or via http://courses.utexas.edu. On this site, you can access the course syllabus, selected materials, grades, and other course resources. E-mail is recognized as an official mode of university correspondence; therefore, you are responsible for reading your e-mail for university and course-related information and announcements.

Scholastic Integrity

University policies on scholastic dishonesty are strictly enforced.

Students are expected to complete the homework assignments and the Data Analysis Project independently. Do not seek help from anyone other than the relevant instructors on these assignments.

Any student suspected of dishonesty will be reported to the Dean of the Graduate School and to the Dean of Students, as per University regulations. Students are expected to have read and to understand what constitutes scholastic dishonesty and the relevant procedures as published in the current issue of the General Information Catalog. Please refer to the Dean of Students website (http://deanofstudents.utexas.edu/conduct/) for the official University policies and procedures on scholastic dishonesty.

Academic Accommodations

“The University of Texas at Austin provides upon request appropriate academic accommodations for qualified students with disabilities.” All University rules concerning accommodations must be followed. For more information, contact the Office of the Dean of Students at 471-6259 (471-4641 TTY).
Emergency Procedures (utexas.edu/emergency)

Occupants of buildings on The University of Texas at Austin campus are required to evacuate buildings when a fire alarm is activated or an official announcement is given.

Evacuation procedures require orderly exiting and assembly outside.

Familiarize yourself with all exit doors of each classroom and building you may occupy. Remember that the nearest exit door may not be the one you used when entering the building.

Students requiring assistance in evacuation shall inform their instructor in writing during the first week of class.

During an evacuation — follow the instructions of faculty or class instructors.

Do not re-enter a building unless given instructions by the following: Austin Fire Department, The University of Texas at Austin Police Department, or the Fire Prevention Services.

CAMPUS CARRY
Students should familiarize themselves with the information provided by the University regarding the implementation of “Campus Carry” legislation. You will find an information sheet specifically for students (as well as sheets for parents, visitors, faculty, and staff) at http://campuscarry.utexas.edu/info-sheets."

LOCKDOWN:
The directive “Lockdown” is used to protect occupants in proximity of an immediate threat by limiting access to buildings and rooms. If no specific locations are given, all buildings should initiate lockdown procedures. Should you discover that there is a violent or potentially violent person in your building or area, DO NOT CONFRONT THE PERSON UNLESS THERE IS NO OTHER OPTION TO SAVE YOUR LIFE.
SHELTER-IN-PLACE

For weather:
1. Go to the lowest level of the building if possible.
2. Stay away from the windows.
3. Go to interior hallways and rooms.
4. Use arms to protect head and neck in a “drop and tuck” position.
5. Monitor emergency communications for specific instructions (www.utexas.edu/ emergency).

For environmental incidents (chemical, biological, or radiological releases):
1. Go inside the nearest building.
2. Close all doors, windows, and other inlets from the outside.
3. Shut down the fresh air intake or HVAC system if possible.

Religious Holy Days

According to UT Austin policy, you must notify the course coordinator of your pending absence at least fourteen days prior to the date of observance of a religious holy day. If you must miss a class, an examination, a work assignment, or a project in order to observe a religious holy day, you will be given an opportunity to complete the missed work within a reasonable time after the absence.

Behavior Concerns Advice Line (BCAL)

If you are worried about someone who is acting differently, you may use the Behavior Concerns Advice Line to discuss by phone your concerns about another individual’s behavior. This service is provided through a partnership among the Office of the Dean of Students, the Counseling and Mental Health Center (CMHC), the Employee Assistance Program (EAP), and The University of Texas Police Department (UTPD). Call 512-232-5050 or visit http://www.utexas.edu/safety/bcal.

Counseling and Mental Health Center

The Counseling and Mental Health Center (CMHC) provides counseling, psychiatric, consultation, and prevention services that facilitate students’ academic and life goals and enhance their personal growth and well-being. http://cmhc.utexas.edu/

ITS

Need help with technology? http://www.utexas.edu/its/
Canvas help 24/7 at https://utexas.instructure.com/courses/633028/pages/student-tutorials