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Office: McGuinn 346  ●  Office Hours: By appointment

Boston College Mission Statement
Strengthened by more than a century and a half of dedication to academic excellence, Boston College commits itself to the highest standards of teaching and research in undergraduate, graduate and professional programs and to the pursuit of a just society through its own accomplishments, the work of its faculty and staff, and the achievements of its graduates. It seeks both to advance its place among the nation's finest universities and to bring to the company of its distinguished peers and to contemporary society the richness of the Catholic intellectual ideal of a mutually illuminating relationship between religious faith and free intellectual inquiry.

Boston College draws inspiration for its academic societal mission from its distinctive religious tradition. As a Catholic and Jesuit university, it is rooted in a world view that encounters God in all creation and through all human activity, especially in the search for truth in every discipline, in the desire to learn, and in the call to live justly together. In this spirit, the University regards the contribution of different religious traditions and value systems as essential to the fullness of its intellectual life and to the continuous development of its distinctive intellectual heritage.

Course Description
This course will serve as an introduction to statistics and research methods in psychology. We will cover a broad range of topics from scales of measurement to basic statistical analyses (e.g., t-tests, ANOVAs, correlations). We will also practice collecting data in our classroom and use the data collected to perform different statistical analyses. By the end of this course, students should have a solid understanding of basic concepts in descriptive and inferential statistics as well as a basic understanding of SPSS.

Textbooks
For this course, the required text is an interactive textbook titled: Statistics for Social Sciences. This interactive, online text is published by Top Hat.

Software
Students will be working with SPSS software to conduct some basic statistical analyses. Students should NOT purchase SPSS as it can be accessed through BC Apps. We will go over how to access SPSS in class.

Canvas
Canvas is the Learning Management System (LMS) at Boston College, designed to help faculty and students share ideas, collaborate on assignments, discuss course readings and materials, submit assignments, and much more - all online. As a Boston College student, you should familiarize yourself with this important tool. For more information and training resources for using Canvas, click here.
Course Objectives
By the end of the course, the student will be able to:

1. Explain basic concepts (e.g., variable, validity, etc.) used in statistical analysis for behavioral research by applying these concepts when completing homework assignments, in-class activities, and quizzes.
2. Differentiate between the statistical tests covered (t-tests, ANOVAs, chi-squares, correlations, and regressions) by comparing the assumptions and goals of each test.
3. Identify situations in the statistical test is appropriate by generating examples of when each test could be used appropriately.
4. Calculate each statistical test covered by hand and using SPSS by solving problems on homework assignments, in-class activities, and quizzes.

Grading
The undergraduate grading system is as follows:
A (4.00), A- (3.67)
B+ (3.33), B (3.00), B- (2.67)
C+ (2.33), C (2.00), C- (1.67)
D+ (1.33), D (1.00), D- (.67)
F (.00)

All students can access final grades through Agora after the grading deadline each semester. Transcripts are available through the Office of Student Services.

Deadlines and Late Work
Students are expected to submit assignments on time. The Article Critique will be due at the beginning of the class period on the specified date. Five points will be deducted from the assignment grade for each day that the assignment is late. Therefore, if you submitted your Article Critique two days late, you will automatically lose 10 points on the assignment. Weekly discussion questions will not be accepted late.

Course Assignments

Reading Checks (Learning Objectives 1, 3). Reading the textbook is required for this course. Each chapter consists of several quiz questions to test students’ understanding of the discussed topics. Students will be required to respond to each chapter’s questions while reading. It will be the most helpful if you complete reading & the associated reading checks prior to attending class. However, assignments completed by Friday at midnight will still receive full credit.
Homework Assignments (Learning Objectives 1, 2, 3, 4). Each week, students will receive a homework assignment to review the material addressed in lecture. Homework assignments may include questions assessing conceptual knowledge, calculations, or require the use of SPSS.

Weekly Quizzes (Learning Objectives 1, 2, 3, 4). It can be difficult to learn a large amount of information during a condensed summer session. To ease this process, instead of having larger exams, students will be responsible for completing a weekly quiz. Each quiz will include information from the past two lectures and may include short response or multiple-choice questions. The quizzes will be given at the beginning of class on Thursdays and are designed to take ~20 minutes to complete.

Engagement (Learning Objective 1). Engagement points will be deducted for unexcused absences or tardiness. Cell phones should be put away and laptops should be used for note-taking only. All students are expected to read and prepare questions during the other students’ article presentations. In addition, students may be asked to participate in brief, in-class polls or in-class activities.

Written Work
Summer Session students are expected to prepare professional, polished written work. Written materials must be typed and submitted in the format required by your instructor. Strive for a thorough yet concise style. Cite literature appropriately, using APA format. Develop your thoughts fully, clearly, logically and specifically. Proofread all materials to ensure the use of proper grammar, punctuation and spelling. For writing support, please contact the Connors Family Learning Center.

Attendance
Attending class is an important component of learning. Students are expected to attend all class sessions. When circumstances prevent a student from attending class, the student is responsible for contacting the instructor before the class meets. Students who miss class are still expected to complete all assignments and meet all deadlines. Many instructors grade for participation; if you miss class, you cannot make up participation points associated with that class. Makeup work may be assigned at the discretion of the instructor. If circumstances necessitate excessive absence from class, the student should consider withdrawing from the class. See In-Class Participation section for this course’s specific attendance policy.

Consistent with BC’s commitment to creating a learning environment that is respectful of persons of differing backgrounds, we believe that every reasonable effort should be made to allow members of the university community to observe their religious holidays without jeopardizing their academic status. Students are responsible for reviewing course syllabi as soon as possible, and for communicating with the instructor promptly regarding any possible conflicts with observed religious holidays. Students are responsible for completing all class requirements for days missed due to conflicts with religious holidays.

Accommodation and Accessibility
Boston College is committed to providing accommodations to students, faculty, staff and visitors with disabilities. Specific documentation from the appropriate office is required for students seeking accommodation in Summer Session courses. Advanced notice and formal registration with the appropriate office is required to facilitate this process. There are two separate offices at BC that coordinate services for students with disabilities:

- The Connors Family Learning Center (CFLC) coordinates services for students with LD and ADHD.
- The Disabilities Services Office (DSO) coordinates services for all other disabilities.

Find out more about BC’s commitment to accessibility at www.bc.edu/sites/accessibility.
Scholarship and Academic Integrity
Students in Summer Session courses must produce original work and cite references appropriately. Failure to cite references is plagiarism. Academic dishonesty includes, but is not necessarily limited to, plagiarism, fabrication, facilitating academic dishonesty, cheating on exams or assignments, or submitting the same material or substantially similar material to meet the requirements of more than one course without seeking permission of all instructors concerned. Scholastic misconduct may also involve, but is not necessarily limited to, acts that violate the rights of other students, such as depriving another student of course materials or interfering with another student’s work. Please see the Boston College policy on academic integrity for more information.

Course Schedule (Subject to Change)
*If I notice that the class could use more time on a specific topic, I may adjust the schedule. All changes to the schedule will be announced both in class and on Canvas.

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<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Reading/Assignments</th>
<th>Due Date</th>
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<tbody>
<tr>
<td>5/15</td>
<td>Introduction to Statistics</td>
<td>Chapter 1</td>
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<tr>
<td>5/17</td>
<td>Descriptive Statistics</td>
<td>Chapter 2</td>
<td>Weekly Quiz 1</td>
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<td>5/22</td>
<td>Normal Distribution/ Probability</td>
<td>Chapters 3 &amp; 4</td>
<td>Homework 1 Due 5/21</td>
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<td>5/24</td>
<td>Normal Distribution/ Probability</td>
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<td>Weekly Quiz 2</td>
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<td>Introduction to SPSS</td>
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<td>5/29</td>
<td>Hypothesis Testing 1</td>
<td>Chapter 9 &amp; 10</td>
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<td>5/31</td>
<td>T-tests</td>
<td>Chapter 11</td>
<td>Weekly Quiz 3</td>
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<td>6/5</td>
<td>T-tests Continued (+ SPSS)</td>
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<td>Homework 3 Due 6/4</td>
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<td>ANOVAs</td>
<td>Chapter 12</td>
<td>Weekly Quiz 4</td>
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<td>ANOVAs continued (+ SPSS)</td>
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<td>Homework 4 Due 6/11</td>
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<td>Chi-square (+ SPSS)</td>
<td>Chapter 13</td>
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<td>Correlation (+ SPSS)</td>
<td>Chapter 14</td>
<td>Homework 5 Due 6/18</td>
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<td>Regression (+ SPSS)</td>
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<td>Weekly Quiz 6</td>
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