The University of Texas at El Paso
Department of Political Science and Public Administration
PAD(X) 5351 – Applied Statistics for Public Administration
Spring 2024 (January 16, 2024 – March 4, 2024)
Class Time: Wednesday 6:00 pm - 8:50 pm
Online/Synchronous Course

Faculty Information
Name: Hyunrang Han, PhD
Email: hhan2@utep.edu
Office Phone: 915-747-7972
Office: Benedict Hall 105

Office Hours
Tuesday/Thursday 3:00 pm - 5:00 pm. Individual appointments can also be scheduled. Contact the instructor through email.

COURSE DESCRIPTION
This course is designed to introduce graduate students to a range of research methods and basic tools for statistical analysis in the field of public and nonprofit administration. We begin with an overview of research methods and specific elements of a research project. An introduction to SPSS programs with data management will be presented after that. Data collection and data analysis methods employing SPSS programs will also be discussed.

COURSE OBJECTIVES & EXPECTED LEARNING OUTCOMES
The learning objectives for the course are:

- to gain an understanding of various research methodologies for problem-solving in public and nonprofit administration.
- to learn practical skills to analyze statistical data by employing SPSS programs.
- to apply the various methods and statistical tools learned in the class in practice.

Upon successful completion of the course, students will be able to:

- identify varied research methodologies and their applications in the field of public and nonprofit administration.
- select appropriate data collection and data analysis approaches to address research questions and for problem-solving.
- use statistical analysis methods and strategies employing SPSS programs.
- demonstrate how to implement the different types of research methods and statistical tools in the real world.
COURSE MATERIALS


Required Software: In this course, we will use SPSS software for running statistical analysis. Students can download SPSS software from the UTEP Technology Support at: https://www.utep.edu/technologysupport/ServiceCatalog/SOFTWARE_PAGES/soft_spssibm.html

Additional readings will be provided on the Blackboard.

COURSE ASSIGNMENTS

<table>
<thead>
<tr>
<th>Item</th>
<th>Points</th>
<th>Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discussion Board Assignments (x 3)</td>
<td>45 points (15 points each)</td>
<td>45% (15% each)</td>
</tr>
<tr>
<td>** (Initial posting &amp; 2 response postings) x 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPSS assignments (x 3)</td>
<td>55 points (15+20+20)</td>
<td>55%</td>
</tr>
<tr>
<td>Total</td>
<td>100 points</td>
<td>100%</td>
</tr>
</tbody>
</table>

1. Discussion Board Assignments (3 Discussion Board Assignments X 15 points each = 45 points total)

Three discussion board assignments are required in this class. For each discussion board assignment, you will post your initial posting answering discussion board questions and response postings for your classmates. To earn full credit, you must post at least 2 response postings to your colleagues’ posts.

Your response postings to your colleagues' initial postings can be made in one or more of the following ways:
• Ask thought-provoking questions.
• Provide suggestions.
• Expand on your fellow students’ positing.
• Offer and support an opinion.
• Share your own experiences to validate your fellow students’ ideas.

No late credit will be earned for posts made after the due date. Your contributions to the discussion board must be substantive and clearly explain that you read the course materials and can integrate the materials with your experience. You should refer to and cite the assigned readings and indicate the source of additional research you conduct to answer the discussion board questions. Simply agreeing with fellow students will not earn you full points.

Students are expected to post discussion board postings that are appropriate for an academic setting. To succeed in this course, students are expected to use professional language and all quotations should be properly cited using APA.

In-text citations:
https://owl.purdue.edu/owl/research_and_citation/apa_style/apa_formatting_and_style_guide/in_text_citations_author_authors.html
Reference list:
https://owl.purdue.edu/owl/research_and_citation/apa_style/apa_formatting_and_style_guide/reference_list_author_authors.html

2. SPSS Assignments (3 SPSS assignments, 15+20+20 = 55 points total)

Students are required to undertake 3 data management and analysis exercises employing the SPSS program. The SPSS assignments are designed to help students understand course materials and use the SPSS program to conduct data analysis.

GRADE SCALE AND POLICY

Points will be distributed as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90.00 % – 100 %</td>
</tr>
<tr>
<td>B</td>
<td>80.00 % – 89.99 %</td>
</tr>
<tr>
<td>C</td>
<td>70.00 % – 79.99 %</td>
</tr>
<tr>
<td>D</td>
<td>60.00 % – 69.99 %</td>
</tr>
<tr>
<td>F</td>
<td>Below 60.00%</td>
</tr>
</tbody>
</table>
Late Work: Late work will NOT be accepted unless there is a documented illness or another serious situation. Be prepared to provide documentation or other evidence of medical, work, or family emergencies.

COURSE POLICIES

Zoom Sessions

This class requires that you participate in scheduled Zoom sessions. Students are expected to participate in these sessions with a webcam and microphone. Some of the sessions will be recorded and provided so that they can be reviewed by students at a later time. Students should not record the sessions and post them to any sites outside of Blackboard.

Attendance and Participation

Attendance in the course is determined by participation in the learning activities of the course. Your participation in the course is important not only for your learning and success but also to create a community of learners. Participation is determined by the completion of the following activities:

- Reading/Viewing all course materials to ensure understanding of assignment requirements.
- Participating in engaging discussions with your peers.
- Other activities as indicated in the weekly modules.

Because these activities are designed to contribute to your learning each week, they cannot be made up after their due date has passed.

Alternative Means of Submitting Work in Case of Technical Issues

I strongly suggest that you submit your work with plenty of time to spare in the event that you have a technical issue with the course website, network, and/or your computer. I also suggest you save all your work in a separate Word document as a back-up. This way, you will have evidence that you completed the work and will not lose credit. If you are experiencing difficulties submitting your work through the course website, please contact the UTEP Help Desk. You can email me your back-up document as a last resort.

Accommodations Policy

The University is committed to providing reasonable accommodations to students with documented disabilities. Students who become pregnant may also request reasonable accommodations, in accordance with state and federal laws and regulations and University policy. Accommodations that constitute undue hardship are not reasonable. To make a request, please register with the UTEP Center for Accommodations and Support Services (CASS). Contact
Scholastic Integrity

Academic dishonesty is prohibited and is considered a violation of the UTEP Handbook of Operating Procedures. It includes, but is not limited to, cheating, plagiarism, and collusion. Cheating may involve copying from or providing information to another student, possessing unauthorized materials during a test, or falsifying research data on laboratory reports. Plagiarism occurs when someone intentionally or knowingly represents the words or ideas of another as ones' own. Collusion involves collaborating with another person to commit any academically dishonest act. Any act of academic dishonesty attempted by a UTEP student is unacceptable and will not be tolerated. All suspected violations of academic integrity at The University of Texas at El Paso must be reported to the Office of Student Conduct and Conflict Resolution (OSCCR) for possible disciplinary action. To learn more, please visit HOOP: Student Conduct and Discipline.

Guidance on Artificial Intelligence

AI prohibited

Use of AI technologies or automated tools, particularly generative AI such as ChatGPT or DALL-E, is not allowed for assignments in this class. Each student is expected to use critical and creative thinking skills to complete tasks and not rely on computer-generated ideas. Any direct use of AI-generated materials submitted as your own work will be treated as plagiarism and reported to the Office of Student Conduct and Conflict Resolution (OSCCR).

Plagiarism Detecting Software

Some of your course work and assessments may submitted to SafeAssign, a plagiarism detecting software. SafeAssign is used review assignment submissions for originality and will help you learn how to properly attribute sources rather than paraphrase.

Copyright Statement for Course Materials

All materials used in this course are protected by copyright law. The course materials are only for the use of students currently enrolled in this course and only for the purpose of this course. They should not be further disseminated.

COURSE RESOURCES

UTEP provides a variety of student services and support. Please refer to the QR code below for a listing of campus resources.
# COURSE SCHEDULE

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Readings</th>
<th>Assignments &amp; Due</th>
</tr>
</thead>
</table>
| 1 1/17| • Introduction  
• Beginning a Research Project  
• Human Research Subjects and Ethical Issues | • O’Sullivan et al., Ch. 1  
• O’Sullivan et al., Ch. 8  
• Optional readings | Discussion Board Assignment #1  
*Initial posting due by 1/20  
*Response postings due by 1/21 |
| 2 1/24| • Selecting a Problem and Reviewing the Research  
• Research Designs for Description | • Salkind, Ch. 3  
• Creswell, Ch. 3  
• Creswell, Ch. 7  
• O’Sullivan et al., Ch. 2  
• Optional readings | Discussion Board Assignment #2  
*Initial posting due by 1/27  
*Response postings due by 1/28 |
| 3 1/31| • Research Designs for Explanation  
• Intro to SPSS | • O’Sullivan et al., Ch. 3  
• IBM SPSS Statistics Brief Guide  
• Optional readings | Discussion Board Assignment #3  
*Initial posting due by 2/3  
*Response postings due by 2/4 |
| 4 2/7 | • Measuring Variables and Relationships  
• Combining Indicators and Constructing indices  
• SPSS Examples | • O’Sullivan et al., Ch. 4  
• O’Sullivan et al., Ch.10 |  |
| 5 2/14| • Data Collection: Sampling  
• Contacting and Talking to Subjects, Questions and Questionnaires  
• Data Analysis: Finding and Analyzing Existing data  
• SPSS Examples | • O’Sullivan et al., Ch. 5  
• O’Sullivan et al., Ch. 6  
• O’Sullivan et al., Ch. 7  
• O’Sullivan et al., Ch. 9  
• Optional readings | SPSS Assignment # 1  
due by 2/18 |
| 6 2/21| • Data Analysis: Univariate Analysis  
• Tests of Statistical Significance, Analysis of Variance (ANOVA)  
• SPSS Examples | • O’Sullivan et al., Ch.11  
• O’Sullivan et al., Ch.12  
• O’Sullivan et al., Ch.13  
• Optional readings | SPSS Assignment # 2  
due by 2/25 |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th>Data Analysis: Correlation and Regression Analysis</th>
<th>SPSS Examples</th>
<th>O’Sullivan et al., Ch.14</th>
<th>O’Sullivan et al., Ch.15</th>
</tr>
</thead>
</table>
| 7  | 2/28 | • Data Analysis: Correlation and Regression Analysis  
     |     | • SPSS Examples                                  |               | • O’Sullivan et al., Ch.14  
     |     |                                                  |               | • O’Sullivan et al., Ch.15  |
| 8  |     |                                                  |               | SPSS Assignment # 3       
     |     | due by 3/4                                      |               |                           |

*** The class schedule and additional readings can be changed at the instructor’s discretion. With advanced notice, I may inform specific changes or updates based on the course progress.