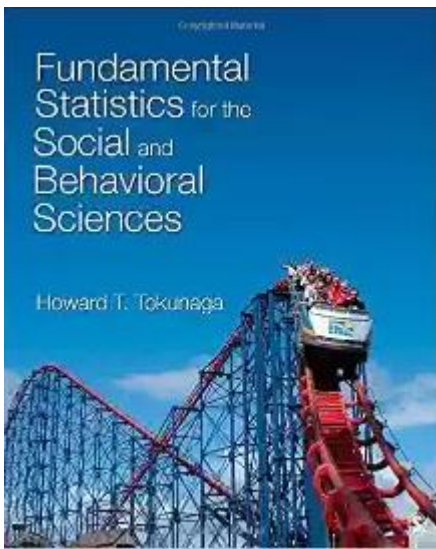


	Central Christian College of Kansas
Code:	SS-PY 210
Title:	Statistics for the Social Sciences
Credits:	3
Prerequisites:	No
Description:	Statistics should not always be thought of from a mathematical perspective, but also from a research perspective. Statistics are encountered in many daily activities and you will learn how to read and interpret the results of statistical analyses. Understanding the application of statistics is just as important as understanding the language of statistics.

Upon successfully completing this course, students will be able to:

- Analyze statistical data properly
- Understand the role of statistical theory
- Demonstrate statistical methods
- Describe numerical data using statistical notation
- Make inferences about populations based on data
- Determine appropriate statistical methodologies

	<p>Tokunaga, H. (2016). <i>Fundamental Statistics for the Social and Behavioral Sciences</i>. Thousand Oaks, CA: Sage Publications, Inc.</p> <p>ISBN:10: 1483318796 ISBN-13: 978-1-4833-1879-0</p> <hr/> <p><i>In addition to the course text, Microsoft Excel is required for this class.</i></p> <hr/>
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Topic	Readings	Assignments
Introduction to Statistics Examining Data: Tables and Figures	<i>Fundamental Statistics</i> Chapter 1 Chapter 2	Pre-Test Plagiarism Certification Discuss Discuss 2 Apply
Topic	Readings	Assignments
Measures of Central Tendency Measures of Variability	<i>Fundamental Statistics</i> Chapter 3 Chapter 4	Discuss Discuss 2 Apply
Topic	Readings	Assignments
Normal Distributions Probability and introduction to Hypothesis Testing	<i>Fundamental Statistics</i> Chapter 5 Chapter 6	Discuss Discuss 2 Apply Wk3 Evaluation
Topic	Readings	Assignments
Testing One Sample Mean Estimating the Mean of a Population Testing the Difference Between Two Means	<i>Fundamental Statistics</i> Chapter 7 Chapter 8 Chapter 9	Discuss Discuss 2 Apply

Topic	Readings	Assignments
Errors in Hypothesis Testing, Statistical Power, and Effect Size	<i>Fundamental Statistics</i> Chapter 10 Chapter 11	Discuss Discuss 2 Apply

One-Way Analysis of Variance		
Topic	Readings	Assignments
Two Way Analysis of Variance Correlation and Linear Regression Chi-Square	<i>Fundamental Statistics</i> Chapter 12 Chapter 13 Chapter 14	Discuss Discuss 2 Final Paper Wk6 Evaluation Post-Test

Assessments Number Points Each Total

Discussion	12	25	300
Apply Assignments	5	75	375
Evaluations	2	100	200
Pre-test	1	5	5
Post-test	1	5	5
Final Paper	1	115	115
Total			1000

Students are expected to post in the discussion board a minimum of three separate posts and three separate post dates per discussion thread. The three posts for each thread must include:

- One "initial" post in response to the instructor's question (or stated assignment) no later than Thursday of each course week.
- Two "follow up" post in response to at least one classmate by Sunday of each course week.

The initial response to a discussion question should substantively demonstrate familiarity with the content of the question. The response should be 150-200 words in length. To

ensure the discussion is a collective and focused exploration of the topic in the question, the discussion thread should remain focused on the question.

The timing of responses is important since other students are dependent on your postings in order to fully develop the discussion and to post "follow up" discussion entries. Responses should occur in the week the discussion question is posted for reply. Preparation for the response is encouraged to ensure a thoughtful and well-founded contribution to the discussion.

Each learner is expected to both respond initially (by Thursday each week) to the discussion question or assignment instruction posted by the instructor/facilitator each week and make at least two follow-up responses to other learners' postings in the discussion thread by the end of the week (Sunday at 11:59pm). The purpose is to ensure an informed and thoughtful dialogue focused on the topic.

Initial Response (Standard Posting Requirements)

0 Points	1-2 Points	3-4 Points	5 Points
No initial response posted.	Initial response is superficial (less than 100 words), and/or posted after Thursday at 11:59 p.m. CT.	A substantive initial response is posted prior to Thursday at 11:59 p.m. CT that contains 100-149 words.	A substantive initial response is posted prior to Thursday at 11:59 p.m. CT that includes at least 1 reference to course material or another reliable source (150 words or more).

Initial Response (Quality of Content)

0 Points	1-2 Points	3-4 Points	5 Points
Response is irrelevant to the question and does not add to the intent of the discussion.	Response addresses the question, but lacks depth or goes off topic.	Response addresses the question, though greater reflection or development of thought would be helpful.	Response addresses the question, is reflective, and represents a substantive contribution to the discussion.

Follow-Up Posts

0 Points	1-2 Points	3-4 Points	5 Points
No follow-up posts made.	Follow-up posts do not provide sufficient analysis or synthesis of the discussion.	Follow-up posts demonstrate an appreciation for the input of others and add to the discussion.	Follow-up posts elaborate on the comments of others and add to the discussion with further analysis and synthesis.

Mechanics

0 Points	1-2 Points	3-4 Points	5 Points
Posts lack any organization and/or contain multiple errors in spelling or mechanics.	Posts are somewhat organized, but interrupted by significant errors in spelling and mechanics.	Posts could benefit by a bit more organization and attention to mechanical details.	Posts are clear and formatted in a way that is easy to read, free from spelling and mechanical errors.

Frequency of Participation

0 Points	1-2 Points	3-4 Points	5 Points
No participation in discussion.	All posts made on the same day.	Posts made on 2 different days.	Posts made on 3 (or more) different days.

Apply

There are 5 application assignments in this course - one each in weeks 1-5. These are designed so you apply the knowledge and skills you learn during the week.

Introduction

Absent	Needs Improvement	Proficient
There is no introduction to the paper. <i>(0 points)</i>	There is an introduction, but it does not introduce the topic, its importance, and/or alert readers to the structure of the discussion of your ideas. <i>(1-6 points)</i>	There is an introduction that introduces the topic, its importance, and it alerts readers to the structure of the discussion of your ideas. <i>(7 points)</i>

Body (Use of Course Terms and Concepts)

Absent	Needs Improvement	Proficient
No course terms and concepts were used. <i>(0 points)</i>	Some of the course terms and concepts were used inappropriately or key terms and concepts were missing from the discussion. <i>(1-24 points)</i>	All of the relevant course terms and concepts were present and used appropriately in the discussion. <i>(25 points)</i>

Conclusion

Absent	Needs Improvement	Proficient
There is no conclusion to the paper. <i>(0 points)</i> .	There is a conclusion, but it does not synthesize the main ideas of the paper, and/or provides implications for research and/or practice. <i>(1-7 points)</i>	There is a conclusion that synthesizes the main ideas of the paper, and/or provides implications

Absent	Needs Improvement	Proficient
		for research and/or practice. (8 points)

Writing Mechanics (e.g. Spelling, Grammar, etc.)

Absent	Needs Improvement	Proficient
The paper had severe problems with spelling, grammar, etc. errors. (0 points)	The paper had some spelling, grammar, etc. errors. (1-4 points).	The paper had very minimal spelling, grammar, etc. errors. (5 points).

Format (e.g., length, font size, margins, in-text citations and reference list in APA style)

Absent	Needs Improvement	Proficient
The paper did not meet the minimum format requirements. (0 points)	The paper met some of the format requirements. (1-9 points)	The paper met all format requirements. (10 points)

Microsoft Excel Calculations and Images

Absent	Needs Improvement	Proficient
The paper did not meet the minimum requirements from Microsoft Excel. (0 points)	The paper met some of the requirements from Microsoft Excel. (1-19 points)	The paper met all requirements from Microsoft Excel. (20 points)

Pre/Post-Tests

There is a pre and a post test in this course. The pre-test is scheduled for the first week of classes. The post test is scheduled for the last week of classes. While the actual score for both the pre and the post test do not get configured into your grade, you will earn 5 participation points for the submission of each. The pre and post tests should be taken seriously as they provide important feedback on your learning outcomes. This information is used to continuously improve the course.

Evaluations

There are two evaluations in this course - one each in weeks 3 and 6. The evaluation in week 3_ will cover the knowledge and skills discussed during weeks 1 through 3. The evaluation in week 6 will cover the knowledge and skills discussed during week 4 through 6. Each evaluation has 50 questions worth 2 points each.

Final Paper

Your final submission for this course will be a 4-6 page paper, which includes images generated within Microsoft Excel.

Additional details can be found within the "Final Paper" content item within the "Week 6" unit.

Format Requirements

Document Type	MS Word
Paper Size	8.5 X 11"
Length	4-6 pages (not including cover page, reference page, and Microsoft Excel images)
Margins	1"
Font	Times or Times New Roman, 10-12 pt.
Line Spacing	Double. No extra double space between paragraphs please.
In-text Citations & Reference List Style	APA
Paper Structure	<ul style="list-style-type: none"> • Cover Page • Introduction • Body • Conclusion • References • Microsoft Excel images
File Naming Convention	LastName_FirstName_Final_Paper Example: Doe_John_Final_Paper

Ratings

Criteria	Absent	Needs Improvement	Proficient
Introduction	There is no introduction to the paper. (<i>0 points</i>)	There is an introduction, but it does not introduce the topic, its importance,	There is an introduction that introduces the topic, its importance, and it alerts readers

		and/or alert readers to the structure of the discussion of your ideas. <i>(1-14 points)</i>	to the structure of the discussion of your ideas. <i>(15 points)</i>
Body (Use of Course Terms and Concepts)	No course terms and concepts were used. <i>(0 points)</i>	Some of the course terms and concepts were used inappropriately or key terms and concepts were missing from the discussion. <i>(1-39 points)</i>	All of the relevant course terms and concepts were present and used appropriately in the discussion. <i>(40 points)</i>
Conclusion	There is no conclusion to the paper. <i>(0 points)</i>	There is a conclusion, but it does not synthesize the main ideas of the paper, and/or provides implications for research and/or practice. <i>(1-14 points)</i>	There is a conclusion that synthesizes the main ideas of the paper, and/or provides implications for research and/or practice. <i>(15 points)</i>
Writing Mechanics (e.g. Spelling, Grammar, etc.)	The paper had 10 or more spelling, grammar, etc. errors. <i>(0 points)</i>	The paper had 5-10 spelling, grammar, etc. errors. <i>(1-9 points)</i>	The paper had very minimal spelling, grammar, etc. errors. <i>(10 points)</i>
Format (e.g., length, font size, margins, in-text citations and reference)	The paper did not meet the minimum format requirements and/or no APA	The paper met some of the format requirements and/or the student needs to review proper APA	[The paper met all format requirements and APA requirement. <i>(15 points)</i>

list in APA style)	citation. (<i>0 points</i>)	citation. (1-14 points)	
Microsoft Excel Calculations and Images	The paper did not meet the minimum requirements Microsoft Excel. (<i>0 points</i>)	The paper met some of the requirements from Microsoft Excel. (1-19 points)	The paper met all requirements from Microsoft Excel. (<i>20 points</i>)