

**San José State University  
Justice Studies Department  
Spring 2018  
JS 203 Seminar in Applied Statistics**

**Contact Information**

**Instructor:** Yue Yuan Ph.D.

**Office Location:** MacQuarrie Hall 525B

**Telephone:** 408-924-2968

**Email:** [wilson.yuan@sjsu.edu](mailto:wilson.yuan@sjsu.edu)

**Office Hours:** Monday/Tuesday 1:00-4:00 PM

**Class Days/Time:** M 4:30-7:15 p.m.

**Classroom:** MacQuarrie Hall 520

**MYSJSU Messaging**

You are responsible for regularly checking with the messaging system through MySJSU. Course materials including syllabus, notes, assignment, and journal articles can be found on the Canvas website.

**Course Description**

***Catalog Description:*** An evaluation of specific statistical methods for quantitative and nonquantitative analyses, concentrating on applications and interpretations in justice related settings. Prerequisite: STAT 95 or equivalent, JS 114 or equivalent, and graduate standing

**Course Goals**

Students will leave this course with a firm understanding of different statistical analyses in criminal justice and criminological research.

**Student Learning Objectives are as follows:**

Upon completion of this course, students should be able to:

SLO 1: Understand the differences between EDA and CFA. For example, descriptive statistics are used to summarize data under study.

SLO 2: Understand that tests of statistical significance make assumptions about data and methods that are rarely satisfied completely in social science research.

SLO 3: Learn the quantitative statistical procedures most commonly used by social scientists.

**Required Texts**

Stephen A. Sweet & Karen A. Grace-Martin, *Data Analysis with SPSS: A First Course in Applied Statistics, 4th Edition*

Manfred te Grotenhuis, *How to Use SPSS Syntax: An Overview of Common Commands*

**Required Software:**

SPSS (Statistical Package for the Social Sciences)

**Course Requirements and Assignments**

SJSU classes are designed such that in order to be successful, it is expected that students will spend a minimum of *forty-five hours for each unit of credit* (normally three hours per unit per week), including preparing for class, participating in course activities, completing assignments, and so on.

**Requirements:** You are required to read all books, book chapters, and articles in advance. Your grade is based on class participation (in-class lab practices), homework, research paper, and research presentation.

**Homework:** There will be five homework and they will be posted on Canvas.

**Participation:** Success in this class is predicated on regular attendance. If you do not attend regularly, your grade will certainly suffer. The primary format for this course will be lecture and in class lab. Your participation grade is graded upon in-class lab quality.

**Grading Information**

You will not be able to drop the class after the official DROP Day except when you have medical emergency with your doctor’s note. There will be no make-ups for your missed exams. There will be only one exception to this polity. Those students who provide written notice in advance who must miss class for university business will have special tests arranged usually before the scheduled test. A final grade of incomplete (I) will be reserved for emergency situation only with your doctor’s note.

**Final Grade (total points possible: 300 points)**

The point totals break down as follows:

In-class lab work	100 points
Homework	100 points
Research project (presentation 20%)	100 points
<b>Total</b>	<b>300 points</b>

**Total Points Possible: 500 points (There is no possibility of extra credit)**

**Percent to Letter Grade Correspondence**

A plus = 100-96%	A = 95-93%	A minus = 92-90%
B plus = 89-86%	B = 85-83%	B minus = 82-80%
C plus = 79-76%	C = 75-73%	C minus = 72-70%
D plus = 69-66%	D = 65-63%	D minus = 62-60%

F = 59-0% 0-179		
-----------------	--	--

**Justice Studies Department Reading and Writing Philosophy**

The Department of Justice Studies is committed to scholarly excellence. Therefore, the Department promotes academic, critical, and creative engagement with language (i.e., reading and writing) throughout its curriculum. A sustained and intensive exploration of language prepares students to think critically and to act meaningfully in interrelated areas of their lives—personal, professional, economic, social, political, ethical, and cultural. Graduates of the Department of Justice Studies leave San José State University prepared to enter a range of careers and for advanced study in a variety of fields; they are prepared to more effectively identify and ameliorate injustice in their personal, professional and civic lives. Indeed, the impact of literacy is evident not only within the span of a specific course, semester, or academic program but also over the span of a lifetime.

**University Policies**

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate and Undergraduate Programs’ [Syllabus Information web page](http://www.sjsu.edu/gup/syllabusinfo/) at <http://www.sjsu.edu/gup/syllabusinfo/>”

**JS203 Course Schedule**

Week	Date	Topics, Readings, Assignments, Deadlines
Week1	1/29/18	Introduction, Expectation Statement
Week2	2/5/18	Chapter 1:Key Concepts in Social Science Research
Week3	2/12/18	Chapter 2: Getting Started: Accessing, Examining, and Saving
Week4	2/19/18	Chapter 3: Univariate Analysis: Descriptive Statistics
Week5	2/26/18	Chapter 4: Constructing Variables
Week6	3/5/18	Chapter 5: Assessing Association through Bivariate Analysis
Week7	3/12/18	Chapter 6: Comparing Group Means through Bivariate Analysis
Week8	3/19/18	Chapter 7: Multiple Regression
Week9	3/26/18	<b>Spring Break</b>
Week10	4/2/18	Chapter8: Logistic Regression
Week11	4/9/18	Chapter9: Special Topic 1
Week12	4/16/18	Chapter10: Special Topic 2
Week13	4/23/18	Chapter11: Special Topic 3
Week14	4/30/18	Chapter12: Writing a Research Report
Week15	5/7/18	Project Presentation
Week16	5/14/18	Course Review