

**San José State University
Justice Studies Department
Spring 2017
JS 203 Seminar in Applied Statistics**

Contact Information

Instructor: Yue Yuan Ph.D.

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Office Hours: Tuesday/Wednesday 2:45-3:45 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*

Jacqueline Collier, *Using SPSS Syntax: A Beginner's Guide*

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
Total	300 points

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		
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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

Dropping and Adding

Students are responsible for understanding the policies and procedures about add/drop, grade forgiveness, etc. Refer to the current semester's [Catalog Policies](http://info.sjsu.edu/static/catalog/policies.html) section at <http://info.sjsu.edu/static/catalog/policies.html>. Add/drop deadlines can be found on the current academic year calendars document on the [Academic Calendars webpage](http://www.sjsu.edu/provost/services/academic_calendars/) at http://www.sjsu.edu/provost/services/academic_calendars/. The [Late Drop Policy](http://www.sjsu.edu/aars/policies/latedrops/policy/) is available at <http://www.sjsu.edu/aars/policies/latedrops/policy/>. Students should be aware of the current deadlines and penalties for dropping classes. Information about the latest changes and news is available at the [Advising Hub](http://www.sjsu.edu/advising/) at <http://www.sjsu.edu/advising/>.

Academic integrity

Your commitment as a student to learning is evidenced by your enrollment at San Jose State University. The University Academic Integrity Policy S07-2 at <http://www.sjsu.edu/senate/docs/S07-2.pdf> requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The [Student Conduct and Ethical Development website](http://www.sjsu.edu/studentconduct/) is available at <http://www.sjsu.edu/studentconduct/>.

Instances of academic dishonesty will not be tolerated. Cheating on exams or plagiarism (presenting the work of another as your own, or the use of another person's ideas without giving proper credit) will result in a failing grade and sanctions by the University. For this class, all assignments are to be completed by the individual student unless otherwise specified. If you would like to include your assignment or any material you have submitted, or plan to submit for another class, please note that SJSU's Academic Integrity Policy S07-2 requires approval of instructors.

Campus Policy in Compliance with the American Disabilities Act

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. [Presidential Directive 97-03](#) at http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf requires that students with disabilities requesting accommodations must register with the Accessible Education Center (AEC) at <http://www.sjsu.edu/aec> to establish a record of their disability.

In 2013, the Disability Resource Center changed its name to be known as the Accessible Education Center, to incorporate a philosophy of accessible education for students with disabilities. The new name change reflects the broad scope of attention and support to SJSU students with disabilities and the University's continued advocacy and commitment to increasing accessibility and inclusivity on campus.

Student Technology Resources

Computer labs for student use are available in the [Academic Success Center](#) at <http://www.sjsu.edu/at/asc/> located on the 1st floor of Clark Hall and in the Associated Students Lab on the 2nd floor of the Student Union. Additional computer labs may be available in your department/college. Computers are also available in the Martin Luther King Library.

A wide variety of audio-visual equipment is available for student checkout from Media Services located in IRC 112. These items include DV and HD digital camcorders; digital still cameras; video, slide and overhead projectors; DVD, CD, and audiotape players; sound systems, wireless microphones, projection screens and monitors.

Learning Assistance Resource Center

The Learning Assistance Resource Center (LARC) is located in Room 600 in the Student Services Center. It is designed to assist students in the development of their full academic potential and to motivate them to become self-directed learners. The center provides support services, such as skills assessment, individual or group tutorials, subject advising, learning assistance, summer academic preparation and basic skills development. [The LARC website is located at <http://www.sjsu.edu/larc/>.](#)

SJSU Peer Connections

Peer Connections, a campus-wide resource for mentoring and tutoring, strives to inspire students to develop their potential as independent learners while they learn to successfully navigate through their university experience. You are encouraged to take advantage of their services which include course-content based tutoring, enhanced study and time management skills, more effective critical thinking strategies, decision making and problem-solving abilities, and campus resource referrals.

In addition to offering small group, individual, and drop-in tutoring for a number of undergraduate courses, consultation with mentors is available on a drop-in or by appointment basis. Workshops are offered on a wide variety of topics including preparing for the Writing Skills Test (WST), improving your learning and memory, alleviating procrastination, surviving

your first semester at SJSU, and other related topics. A computer lab and study space are also available for student use in Room 600 of Student Services Center (SSC).

Peer Connections is located in three locations: SSC, Room 600 (10th Street Garage on the corner of 10th and San Fernando Street), at the 1st floor entrance of Clark Hall, and in the Living Learning Center (LLC) in Campus Village Housing Building B. Visit [Peer Connections website](#) at <http://peerconnections.sjsu.edu> for more information.

SJSU Writing Center

The SJSU Writing Center is located in Clark Hall, Suite 126. All Writing Specialists have gone through a rigorous hiring process, and they are well trained to assist all students at all levels within all disciplines to become better writers. In addition to one-on-one tutoring services, the Writing Center also offers workshops every semester on a variety of writing topics. To make an appointment or to refer to the numerous online resources offered through the Writing Center, visit the [Writing Center website](#) at <http://www.sjsu.edu/writingcenter>. For additional resources and updated information, follow the Writing Center on Twitter and become a fan of the SJSU Writing Center on Facebook. (Note: You need to have a QR Reader to scan this code.)



SJSU Counseling Services

The SJSU, Counseling Services is located on the corner of 7th Street and San Fernando Street, in Room 201, Administration Building. Professional psychologists, social workers, and counselors are available to provide consultations on issues of student mental health, campus climate or psychological and academic issues on an individual, couple or group basis. To schedule an appointment or learn more information, visit [Counseling Services website](#) at <http://www.sjsu.edu/counseling>.

JS203 Course Schedule

Week	Date	Topics, Readings, Assignments, Deadlines
Week1	1/30/17	Introduction, Expectation Statement
Week2	2/6/17	Chapter 1:Key Concepts in Social Science Research
Week3	2/13/17	Chapter 2: Getting Started: Accessing, Examining, and Saving
Week4	2/20/17	Chapter 3: Univariate Analysis: Descriptive Statistics
Week5	2/27/17	Chapter 4: Constructing Variables
Week6	3/6/17	Chapter 5: Assessing Association through Bivariate Analysis
Week7	3/13/17	Chapter 6: Comparing Group Means through Bivariate Analysis
Week8	3/20/17	Chapter 7: Multiple Regression
Week9	3/27/17	<i>Spring Break</i>
Week10	4/3/17	Chapter8: Logistic Regression
Week11	4/10/17	Chapter9: Generalized Linear Models
Week12	4/17/17	Chapter10: SEM
Week13	4/24/17	Chapter11: Generalized Linear Mixed Models
Week14	5/1/17	Chapter12: Writing a Research Report
Week15	5/8/17	Project Presentation
Week16	5/15/17	Course Review