Chaminade University of Honolulu

WE

CJ215 Criminal Justice Research

Time:	Saturday, 12:30 p.m. - 4:40 p.m.
Location:	Schofield Education Center
Instructor:	Alvin Nakamura, MA Research Statistician, Hawaii Department of Health
	Telephone: 733-4057 (day phone) E-mail: aknakamura@fhsd.health.state.hi.us
Required Textbooks:	*Statistics* (5th Edition) Witte, R. and J. Witte, Hartcourt Brace, 1997
	Student Workbook for the 5th Ed. *Statistics*
Recommended Text:	*Statistics for the Terrified* (2d Ed.) Kranzler, G. and J. Moursund, NJ: Prentice-Hall, 1999

Course Objectives

To gain a working knowledge of statistical methods and an understanding of the theory behind these methods. Discussion, problems, lecture, and computer exercises will be used. Specific objectives are:

- Considerations in collecting and presenting data (research design)
- Calculating and interpreting statistics (data analysis, primary sources)
- Reading and interpreting secondary sources of data (data limitations)
- Appreciating ethical issues in research and statistical analysis

Grading

Three (3) tests, each weighted 30% toward the final grade. Attendance and participation, 10% of final grade.

90%+ = A 80-89% = B 70-79% = C 60-69% = D 59% & lower = F

The tests are intended to measure competence, for which the assigned quizzes and homework problems are indispensable preparation. All tests and quizzes are open book. A test can be made up only if the instructor is notified before the test. Tests are cumulative in the sense that learning statistics builds on materials covered previously. However, each test will focus on topics presented since the last test.

Attendance

Regular class attendance is important because we will be covering a lot of material in each 4-hour class session, and because learning is cumulative in that earlier topics are foundational for later ones in the course. Attendance will be taken at each class. Be sure to inform me when you foresee that you will miss a class. A missed test because of an unexcused absence receives a grade of 0.

Schedule

Session	*Chapter in* Textbook
Jan 13	1 Introduction 2 Describing Data with Tables 3 Describing Data with Graphs
Jan 20	4 Describing Data with Averages 5 Describing Variability
Jan 27	6 Normal Distribution I: Basics 7 Normal Distribution II: Applications
Feb 3	*Test* #1 (Chapters l-7) 8 More About Z scores 9 Describing Relationships: Correlation
Feb 10	10 Prediction (Linear Regression
Feb 17	11 Population and Samples 13 Sampling Distribution of the Mean **(Note: Skip Chapter 12)**
Feb 24	*Test* #2 (Chapters 8-11,13) 14 Introduction to Hypothesis Testing: The z Test 15 More About Hypothesis Testing
Mar 3	17 Estimation (From sample to population) 18 t-Test for One Sample **(Note: Skip Chapter 16)**
Mar 10	19 t-Test for Two Independent Samples 21 Beyond Hypothesis Tests: p-Values and Effect Size **(Note: Skip Chapter 20)**
Mar 17	*Test* #3 (Chapters 14,15,17-19,21) 24 Chi-Square (χ^2) Test for Qualitative Data **(Note: Skip Chapters 22-23)**

Exercises from the Student Workbook will be assigned in class for in-class quiz, or for homework.