

# Discovering Statistics

DANIEL T. LAROSE



# DISCOVERING STATISTICS

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## ABOUT THE BOOK

*Discovering Statistics* by Daniel Larose emphasizes the relevance of statistics in today's world. Balancing computational methods and data interpretation, Larose helps students think critically about statistics and develop their own statistical sense.

*Discovering Statistics* shows students that statistics can be interesting, useful, and often fun! The author's friendly, conversational writing style appeals to students, helping them understand the meaning behind statistical data. Larose's approach to introductory statistics will appeal to instructors who want their students to understand computational methods, while also developing statistical reasoning and critical thinking skills.

## ABOUT THE AUTHOR

Since his days of collecting baseball cards as a youngster, Dan Larose has felt a lifelong passion for statistics. He completed his Ph.D. in statistics from the University of Connecticut in Storrs in 1996. Today, Dan is Professor of Statistics in the Department of Mathematical Sciences at Central Connecticut State University. There, Dan designed, developed, and directs the world's first online Master of Science degree in data mining. He has published three books on data mining, and is a consultant in statistics and data mining. His fondest wish is to impart a love of statistics to a new generation.

Dan lives in Tolland, Connecticut, with his wife Debra, daughters Chantal and Ravel, and son, Tristan.

## WHAT REVIEWERS ARE SAYING ABOUT THE BOOK

“I believe the text is a book that would supply my students with a statistics book that they will not only enjoy reading, but that I will enjoy teaching from daily!”

—JADA HILL, RICHLAND COLLEGE

“From the three sample chapters, I think the author has done a great job of balancing between the fundamental concepts in a concise way, and being not too mathematical. In my opinion, the students will find the materials interesting and useful without getting bored.”

—NASBENDU PAL, UNIVERSITY OF LOUISIANA, LAFAYETTE

“There are exercises and activities designed to be thought-provoking and to get students to use common sense and reason. Every effort has been made to make an interesting and readable text for the student and to provide the instructor with a wealth of material to choose from.”

—KELLY CHEN, FLORIDA GULF COAST UNIVERSITY

“It seems to be a real common sense approach that has been well thought by a professor who has years of teaching and understands what will really work. I have said many times that it takes about 5 or 6 years to learn how to teach statistics. You need to anticipate questions, and he has done a lot of this.”

—SHERMAN SOWBY, CALIFORNIA STATE UNIVERSITY, FRESNO

“This text is a nice collaboration of concepts and skill.”

—HOLLY ASHTON, PIKES PEAK COMMUNITY COLLEGE

## WHAT REVIEWERS ARE SAYING ABOUT THE FEATURES

“It has some exciting innovations in addressing the needs of diverse learning styles.”

—MARLENE WILL, SPALDING UNIVERSITY

“I really like the feature ‘What Result Might We Expect.’ This helps the student formulate their thoughts as to what could result and it recaptures the ideas previously presented but in a problem setting. I would use this approach in problem solving. The author does a good job of helping the student think intuitively before working the problem.”

—KAREN SMITH, UNIVERSITY OF WEST GEORGIA

“The ‘What Do These Mean’ boxes go back to developing a deeper understanding and being able to put the right formula with a particular analysis, and of course the ‘What-if’ scenarios go a long way to helping students develop a more intuitive understanding and approach to the art and science of statistics.”

—PEG BALACHOWSKI, EVERETT COMMUNITY COLLEGE

## WHAT REVIEWERS ARE SAYING ABOUT THE EXERCISES

“These exercises are excellent. I have shared them with some of my colleagues and all that have seen them loved them. They cover just what we emphasize in the course. The quality is excellent and the level is also.”

—WANDA EANES, MACON STATE COLLEGE

“Overall, the exercises are excellent. They lead students to discoveries about the concepts.”

—REVA FISH, SUNY, BUFFALO