Statistics: The Art and Science of Learning from Data (4th Edition)

By Alan Agresti, Christine A. Franklin, Bernhard Klingenberg

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For courses in introductory statistics.

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Statistics: The Art and Science of Learning from Data, **Fourth Edition,** takes a conceptual approach, helping students understand what statistics is about and learning the right questions to ask when analyzing data, rather than just memorizing procedures. This book takes the ideas that have turned statistics into a central science in modern life and makes them accessible, without compromising the necessary rigor. Students will enjoy reading this book, and will stay engaged with its wide variety of real-world data in the examples and exercises.

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Editorial Review

About the Author

Alan Agresti is Distinguished Professor Emeritus in the Department of Statistics at the University of Florida. He taught statistics there for 38 years and developed three courses in statistical methods for social science students and three courses in categorical data analysis. He is author of over 100 refereed articles and five texts including *Statistical Methods for the Social Sciences* (with Barbara Finlay, Prentice Hall, 4th edition 2009) and *Categorical Data Analysis* (Wiley, 2nd edition 2002). He is a Fellow of the American Statistical Association and recipient of an Honorary Doctor of Science from De Montfort University in the UK. In 2003, Alan was named "Statistician of the Year" by the Chicago chapter of the American Statistical Association and in 2004, he was the first honoree of the Herman Callaert Leadership Award in Biostatistical Education and Dissemination awarded by the University of Limburgs, Belgium. He has held visiting positions at Harvard University, Boston University, London School of Economics, and Imperial College and has taught courses or short courses for universities and companies in about 30 countries worldwide. Alan has also received teaching awards from the University of Florida and an excellence in writing award from John Wiley & Sons.

Christine Franklin is a Senior Lecturer and Lothar Tresp Honoratus Honors Professor in the Department of Statistics at the University of Georgia. She has been teaching statistics for more than 30 years at the college level. Chris has been actively involved at the national and state level with promoting statistical education in Pre-K—16 since the 1980s. She is a past Chief Reader for AP Statistics. She has developed three graduate-level courses at the University of Georgia in statistics for elementary, middle, and secondary teachers. Chris served as the lead writer for the ASA-endorsed *Guidelines for Assessment and Instruction in Statistics Education (GAISE) Report: A Pre- K—12 Curriculum Framework*.
Chris has been honored by her selection as a Fellow of the American Statistical Association, the 2006 Mu Sigma Rho National Statistical Education Award recipient for her teaching and lifetime devotion to statistics education, and numerous teaching and advising awards at the University of Georgia including election to the UGA Teaching Academy. Chris has written more than 50 journal articles and resource materials for textbooks.

Bernhard Klingenberg is Associate Professor of Statistics in the Department of Mathematics & Statistics at Williams College, where he has taught introductory and advanced statistics classes for more than 10 years. In 2013, Bernhard was instrumental in creating an undergraduate major in statistics at Williams, one of the first for a liberal arts college. At Williams, more than 70% of an incoming freshman class will have taken a course in introductory statistics by the time they graduate. A native of Austria, Bernhard frequently returns there to hold visiting positions at universities and gives short courses on categorical data analysis in Europe and the US. He has published several peer-reviewed articles in statistical journals and consults regularly with academia and industry. Bernhard enjoys photography (several of his pictures appear in this book), scuba diving, and spending time with his wife and four children.

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