

Robert Gould | Colleen Ryan

# Introductory **STATISTICS**

exploring the world through data

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# Introductory Statistics: Exploring the World Through Data





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# Introductory Statistics: Exploring the World Through Data

**Robert Gould**

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## *Dedication*

To my parents and family, my friends, and my colleagues who are also friends. Without their patience and support, this would not have been possible.

—Rob

To my teachers and students, and to my family who have helped me in many different ways.

—Colleen





# About the Authors

## Robert Gould



**Robert L. Gould** (Ph.D., University of California, San Diego) is a leader in the statistics education community. He has served as chair of the American Statistical Association's Committee on Teacher Enhancement, has served as chair of the ASA's Statistics Education Section, and served on a panel of co-authors for the *Guidelines for Assessment in Instruction on Statistics Education (GAISE) College Report*. As the associate director of professional development for CAUSE (Consortium for the Advancement of Undergraduate Statistics Education), Rob has worked closely with the American Mathematical Association of Two-Year Colleges (AMATYC) to provide traveling workshops and summer institutes in statistics. For over ten years, he has served as Vice-Chair of Undergraduate Studies at the UCLA Department of Statistics, and he is Director of the UCLA Center for the Teaching of Statistics. In 2009, Rob was elected president of the Southern California Chapter of the American Statistical Association.

In his free time, Rob plays the cello, runs, and is an ardent reader of fiction.

## Colleen Ryan



**Colleen N. Ryan** has taught statistics, chemistry, and physics to diverse community college students for decades. She taught at Oxnard College from 1975 to 2006, where she earned the Teacher of the Year Award. Colleen currently teaches statistics part-time at California Lutheran University. She often designs her own lab activities. Her passion is to discover new ways to make statistical theory practical, easy to understand, and sometimes even fun.

Colleen earned a B.A. in physics from Wellesley College, an M.A.T. in physics from Harvard University, and an M.A. in chemistry from Wellesley College. Her first exposure to statistics was with Frederick Mosteller at Harvard.

In her spare time, Colleen sings with the Oaks Camerata, has been an avid skier, and enjoys time with her family.

