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"This book leads students to learn about the process of conducting statistical investigations from data collection, to exploring data, to statistical inference, to drawing appropriate conclusions. We focus on genuine research studies, active learning, and effective use of technology. In particular, we use simulation and randomization tests to introduce students to statistical inference, yielding a strong conceptual foundation that bridges students to theory-based inference approaches, which are presented throughout the book. This approach allows students to see the logic and scope of inference in the first chapter and to cycle through these ideas, too often lost to introductory statistics

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students, repeatedly throughout the course. Our implementation follows the GAISE1 recommendations endorsed by the American Statistical Association"--

Introductory Statistics is designed for the one-semester, introduction to statistics course and is geared toward students majoring in fields other than math or engineering. This text assumes students have been exposed to intermediate algebra, and it focuses on the applications of statistical knowledge rather than the theory behind it. The foundation of this textbook is Collaborative Statistics, by Barbara Illowsky and Susan Dean. Additional topics, examples, and ample opportunities for practice have been added to each chapter. The development choices for this textbook

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