



Understanding Statistical Process Control

By David S. Chambers, Donald J. Wheeler



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This internationally acclaimed textbook is widely used for teaching basic SPC, Data Analysis, and Continual Improvement Techniques to those who work in manufacturing and process industries. Over 75 years of practical experience were distilled in this book which combines instruction with real-world case studies. Written in ordinary language, the book is easy to read and appropriate for self study. W. Edwards Deming wrote in his foreword, It is fitting to add my deep appreciation for the mathematical achievements of Dr. Wheeler. His understanding of theory, and its application, is guided by mathematical knowledge. Some of the unique material in this landmark text includes: how charts signal inadequate measurement discrimination; how to use count data effectively; what happens if the measurements are not normally distributed; the right and wrong ways to assess capability; how to use process behavior charts with chemical batches; the right ways to compute limits for process behavior charts; principles of subgrouping; World-Class Quality and the Taguchi Loss Function.

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Editorial Review

About the Author

Dr. Donald J. Wheeler has been actively planting the seeds of transformation in companies and organizations around the world for over 25 years. His classes have been credited with being the essential element in turning companies around and taking them from red ink to black. In less spectacular ways his seminars have been the foundation for establishing learning cultures within many organizations in various industries. Unlike so many classes where the emphasis is upon techniques, Dr. Wheeler's classes go far beyond mere techniques to teaching the way of thinking needed to use those techniques effectively. He has worked with over 250 companies in chemical processing, health care, medical equipment, information technology, steel and aluminum production, agribusiness, food production and processing, electronics, pulp and paper processing, automotive suppliers, government agencies, and banking. Dr. Wheeler has taught over 1000 seminars in the USA, Canada, Mexico, England, Scotland, Ireland, Wales, Norway, Sweden, Finland, Germany, Belgium, Switzerland, Portugal, South Africa, Brazil and Malaysia. Over 60,000 students from the US and 32 countries on five continents have attended his seminars, which are held in Knoxville, Tennessee. Marketing research shows that word of mouth advertising brings in the majority of these students. We love it when our clients and students tell their friends and colleagues how good Dr. Wheeler's classes are! Along with his acclaimed seminars, Dr. Wheeler has also authored or coauthored twenty books which collectively form the definitive library for Discovery through Data Analysis. His books are being used throughout the US and in over 41 countries around the world. Dr. Wheeler has M.S. and Ph.D. degrees in Statistics from Southern Methodist University. He taught at the University of Tennessee for 12 years where he was an Associate Professor of Statistics. He is a Fellow both the American Statistical Association and the American Society for Quality, and he was an associate of Dr. W. Edwards Deming until his death in 1993. In short, Dr. Wheeler is the internationally recognized expert on Data Analysis and SPC. He has the knowledge, the experience, and the ability to communicate that knowledge and experience to others. For more information on Dr. Wheeler's books and seminars, contact SPC Press at 800-545-8602.

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