Record Nr. UNINA9910876854203321 Autore Ryan Thomas P **Titolo** Solutions manual to accompany Modern engineering statistics // Thomas P. Ryan Hoboken, N.J.,: Wiley-Interscience, 2007 Pubbl/distr/stampa **ISBN** 1-283-44599-9 9786613445995 0-470-18754-9 0-470-18753-0 Descrizione fisica 1 online resource (188 p.) Altri autori (Persone) RyanThomas P 519.5 Disciplina 620.0072 Soggetti Engineering - Statistical methods Quality control - Statistical methods Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali "A John Wiley & Sons, Inc., publication." Nota di contenuto Solutions Manual to Accompany: Modern Engineering Statistics; Contents: 1 Methods of Collecting and Presenting Data: 2 Measures of Location and Dispersion; 3 Probability and Common Probability Distributions: 4 Point Estimation: 5 Confidence Intervals and Hypothesis Tests-One Sample; 6 Confidence Intervals and Hypothesis Tests-Two Samples; 7 Tolerance Intervals and Prediction Intervals; 8 Simple Linear Regression, Correlation and Calibration; 9 Multiple Regression; 10 Mechanistic Models: 11 Control Charts and Quality Improvement: 12 Design and Analysis of Experiments 13 Measurement System Appraisal 14 Reliability Analysis and Life Testing; 15 Analysis of Categorical Data; 16 Distribution-Free Procedures; 17 Tying It All Together Sommario/riassunto An introductory perspective on statistical applications in the field of engineering Modern Engineering Statistics presents state-of-the-art statistical methodology germane to engineering applications. With a nice blend of methodology and applications, this book provides and carefully explains the concepts necessary for students to fully grasp

and appreciate contemporary statistical techniques in the context of

engineering. With almost thirty years of teaching experience, many of which were spent teaching engineering statistics courses, the author has successfully developed a