Probability with R: An Introduction with Computer Science Applications

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Wiley, 2008. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface.I. THE R LANGUAGE.1. Basics of R.1.1 What is R?1.2 Installing R.1.3 R Documentation.1.4 Basics.1.5 Getting Help.1.6 Data Entry.1.7 Tidying Up.1.8 Saving and Retrieving the Workspace.2. Summarising Statistical Data.2.1 Measures of Central Tendency.2.2 Measures of Dispersion.2.3 Overall Summary Statistics.2.4 Programming in R.3. Graphical Displays.3.1 Boxplots.3.2 Histograms.3.3 Stem and Leaf.3.4 Scatter Plots.3.5 Graphical Display vs Summary Statistics.II: FUNDAMENTALS OF PROBABILITY.4. Basics.4.1 Experiments, Sample Spaces and Events.4.2 Classical Approach to Probability.4.3 Permutations and Combinations.4.4 The Birthday Problem.4.5 Balls and Bins.4.6 Relative Frequency Approach to Probability.4.7 Simulating Probabilities.5. Rules of Probability.5.1 Probability and Sets.5.2 Mutually Exclusive Events.5.3 Complementary Events.5.4 Axioms of Probability.5.5 Properties of Probability.6. Conditional Probability.6.1 Multiplication Law of Probability.6.2 Independent Events.6.3 The Intel Fiasco.6.4 Law of Total Probability.6.5 Trees.7. Posterior Probability and Bayes.7.1 Bayes' Rule.7.2 Hardware Fault Diagnosis.7.3 Machine Learning.7.4 The Fundamental Equation of Machine Translation.8. Reliability.8.1 Series Systems.8.2 Parallel Systems.8.3 Reliability of a System.8.4 Series-Parallel Systems.8.5 The Design of Systems.8.6 The General System.III: DISCRETE DISTRIBUTIONS.9. Discrete Distributions.9.1 Discrete Random Variables.9.2 Cumulative Distribution Function.9.3 Some Simple

Reviews

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