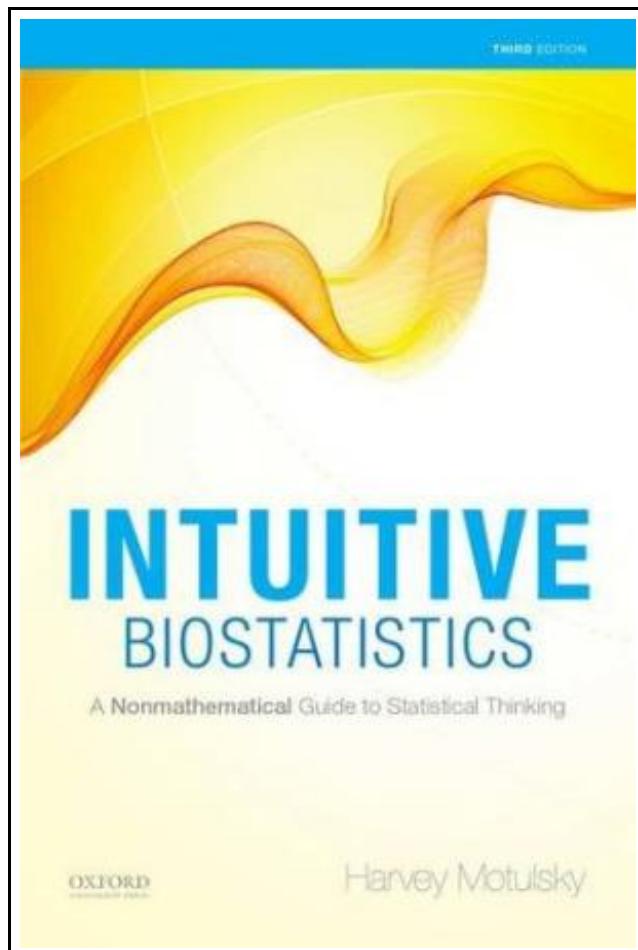


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Oxford University Press, USA. Paperback. Book Condition: New. Paperback. 576 pages. Dimensions: 9.2in. x 6.1in. x 1.0in. Thoroughly revised and updated, the third edition of Intuitive Biostatistics: A Nonmathematical Guide to Statistical Thinking retains and refines the core perspectives of the previous editions: a focus on how to interpret statistical results rather than on how to analyze data, minimal use of equations, and a detailed review of assumptions and common mistakes. With its engaging and conversational tone, this unique book provides a clear introduction to statistics for undergraduate and graduate students in a wide range of fields and also serves as a statistics refresher for working scientists. It is especially useful for those students in health-science related fields who have no background in biostatistics. CONTENTSPart A: Introducing Statistics1. Statistics and Probability Are Not Intuitive2. The Complexities of Probability3. From Sample to PopulationPart B: Confidence Intervals4. Confidence Interval of a Proportion5. Confidence Interval of Survival Data6. Confidence Interval of Counted DataPart C: Continuous Variables7. Graphing Continuous Data8. Types of Variables9. Quantifying Scatter10. The Gaussian Distribution11. The Lognormal Distribution and Geometric Mean12. Confidence Interval of a Mean13. The Theory of Confidence Intervals14. Error BarsPART D: P Values and Significance15. Introducing P Values16. Statistical Significance and Hypothesis Testing17. Relationship Between Confidence Intervals and Statistical Significance18. Interpreting a Result That Is Statistically Significant19. Interpreting a Result That Is Not Statistically Significant20. Statistical Power21. Testing for Equivalence or NoninferiorityPART E: Challenges in Statistics22. Multiple Comparisons Concepts23. The Ubiquity of Multiple Comparison24. Normality Tests25. Outliers26. Choosing a SampleSizePART F: Statistical Tests27. Comparing Proportions28. Case-Control Studies29. Comparing Survival Curves30. Comparing Two Means: Unpaired t Test31. Comparing Two Paired Groups32. CorrelationPART G: Fitting Models to Data33. Simple Linear Regression34. Introducing Models35. Comparing Models36. Nonlinear Regression37. Multiple Regression38. Logistic and Proportional HazardsRegressionPART H The Rest of Statistics39. Analysis of Variance40....

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