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Sommario/riassunto	This book provides an overview and compilation of contemporary topics and innovative approaches in biostatistical modeling through their applications to evidence-based public health research and decision-making. This book covers topics in 3 parts as: 1) Biostatistical Modeling, 2) Imaging Data Analysis, and 3) Public Health Applications. Topics should appeal to both expert statisticians, as well as health researchers interested in biostatistical methodological applications in evidence-based health research. The book is a resourceful manual and can be used as an authoritative reference. The features covered in this book will appeal to researchers where public health research is being rigorously conducted.