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	Nota di contenuto	Discrete Distributions; Contents; Preface; Acknowledgements; About the Author; 1 Introduction; 1.1 Discrete Distributions in General; 1.2 Multivariate Discrete Distributions; 1.3 Binomial Distribution; 1.4 The Multinomial Distribution; 1.5 Poisson Distribution; 1.6 Negative Binomial Distribution; 1.7 Hypergeometric Distribution; 1.7.1 Negative hypergeometric distribution; 1.7.2 Extended hypergeometric distribution; 1.8 Stirling's Approximation; 2 Maximum Negative Binomial Distribution; 2.1 Introduction; 2.1.1 Outfitting the ark; 2.1.2 Medical screening application; 2.2 Elementary Properties 2.2.1 Shapes of the distribution2.2.2 Moments of the distribution; 2.2.3 Modes of the distribution; 2.3 Asymptotic Approximations; 2.3.1 Large values of c and p 1/2; 2.3.2 Large values of c and p = 1/2; 2.3.3

Sommario/riassunto	There have been many advances in the theory and applications of discrete distributions in recent years. They can be applied to a wide range of problems, particularly in the health sciences, although a good understanding of their properties is very important. Discrete Distributions: Applications in the Health Sciences describes a number of new discrete distributions that arise in the statistical examination of real examples. For each example, an understanding of the issues surrounding the data provides the motivation for the subsequent development of the statistical models.Provid