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   Sommario/riassunto Despite its haphazard growth, the Web hides powerful underlying
                       regularities - from the organization of its links to the patterns found in
                       its use by millions of users. Probabilistic modelling allows many of
                       these regularities to be predicted on the basis of theoretical models
                       based on statistical methodology. Among these applications are data
                       mining and bioinformatics. This text has been designed to fill a specific
                       niche and covers the most important aspects of the Internet at the
                       information level using a modern unified
                       mathematical/probabilistic/graphical models/machine learning
                       treatment. The book does not deal with the physical layer, or the
                       protocol layer of the Internet. Rather, it focuses on the information and
                       application layers, as well as some of the emerging properties of the
                       Internet.