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    Titolo   A Probabilistic Theory of Pattern Recognition [[electronic resource] /] /
                              by Luc Devroye, Laszlo Györfi, Gabor Lugosi

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    Soggetti   Probabilities
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    Sommario/riassunto   Pattern recognition presents one of the most significant challenges for
                              scientists and engineers, and many different approaches have been
                              proposed. The aim of this book is to provide a self-contained account
                              of probabilistic analysis of these approaches. The book includes a
                              discussion of distance measures, nonparametric methods based on
                              kernels or nearest neighbors, Vapnik-Chervonenkis theory, epsilon
                              entropy, parametric classification, error estimation, free classifiers, and
                              neural networks. Wherever possible, distribution-free properties and
                              inequalities are derived. A substantial portion of the results or the
                              analysis is new. Over 430 problems and exercises complement the
                              material.