



Introduction to Statistical Machine Learning

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English . Brand New Book. Machine learning allows computers

to learn and discern patterns without actually being

programmed. When Statistical techniques and machine learning

are combined together they are a powerful tool for analysing

various kinds of data in many computer science/engineering

areas including, image processing, speech processing, natural

language processing, robot control, as well as in fundamental

sciences such as biology, medicine, astronomy, physics, and

materials. Introduction to Statistical Machine Learning provides

a general introduction to machine learning that covers a wide

range of topics concisely and will help you bridge the gap

between theory and practice. Part I discusses the fundamental

concepts of statistics and probability that are used in describing

machine learning algorithms. Part II and Part III explain the two

major approaches of machine learning techniques; generative

methods and discriminative methods. While Part III provides an

in-depth look at advanced topics that play essential roles in

making machine learning algorithms more useful in practice.

The accompanying MATLAB/Octave programs provide you with

the necessary practical skills needed to accomplish a wide range

of data analysis tasks. * Provides the necessary background

material...



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