

Maxima of Multivariate Data: Theory, Applications and Algorithms

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Maximal elements of given multidimensional point samples are naturally encountered in many scientific disciplines and have been widely used under different names such as noninferiority, Pareto optimality, admissibility, efficiency, elite, skyline, etc. A survey will be given of the diverse aspects of maxima in connection with probabilistic properties, applications, and efficient algorithms for finding them.