

FEATURE SELECTION: AN OVERVIEW

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ABSTRACT

Variables and feature selection turn out to be the center of attention to a large extent of study in different areas of application for high dimensional data. It is the process in which unsuitable and superfluous features are rejected from high dimensional data which is unimportant regarding the job to be carried out. There are various reasons such as generalization, presentation, computational effectiveness and feature understandability for which feature selection is crucial. The purpose of feature selection is in three collapses; increasing the forecasting functioning of the predictors; make available more rapidly and rate efficient predictors; make available a healthier accepting of the fundamental method that generate the figures. In data analysis procedure feature selection is useful, since it show which features are essential for calculation, and how these features are interrelated.

KEYWORDS: Feature Selection, Forward Selection, Backward Selection, Clustering, Filters, Wrappers, Embedded, Hybrid, Search Strategies, Exhaustive, Heuristic, Random, Stopping Criteria, Validation