A Toolbox for Bicluster Analysis in R

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Abstract. Over the last decade, bicluster methods have become more and more popular in different fields of two way data analysis and a wide variety of algorithms and analysis methods have been published. In this paper we introduce the R package biclust, which contains a collection of bicluster algorithms, preprocessing methods for two way data, and validation and visualization techniques for bicluster results. For the first time, such a package is provided on a platform like R, where data analysts can easily add new bicluster algorithms and adapt them to their special needs.

Keywords: Biclustering, Two-Way-Clustering, Software, R

References


