

## New distance measure based clustering of time series

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Time series are data widely existing in many areas and relating to various real problems. While clustering is an important task of analysis of time series. Among the related aspects of clustering of time series, the distance measure plays a crucial role in revealing the structure of a set of time series. Aims at the weakness of the existing distance measures, new distance measures are proposed for the clustering of time series. We present two distance measures for one-variable and two-variable time series and the new distances based clustering algorithms of time series. Experiments carried out on some datasets show the advantages of the proposed distance and performance of the proposed clustering algorithms.