Title: Robust Clustering Analysis in Biomedical Data

Abstract

Clustering plays an important role in the fields of knowledge discovery and data mining. Clustering algorithms attempt to organize data into different disjoint categories, with more similar data points organized into the same cluster, while dissimilar data points are grouped into different clusters. Clustering has been successfully applied in different fields such as bioinformatics, cyber security, image processing, astronomy, social networks. Additionally, clustering has become the primary procedure in biomedical to organize the gene expression microarray into subclasses, for the purpose of diagnostic and prognosis. Here we focus on developing new robust clustering algorithms and data analysis methods, in order to effectively analyze biologically disorder in human organs.

Speaker Introduction

Rashid Mehmood has received his Master degree from COMSITS, Islamabad, Pakistan2012.He is currently working toward the Ph.D.degree in the School of Information Sciences and Technology at Beijing Normal University, Beijing, China. His current research interest includes clustering, DNA barcode analysis.

He has published 5 SCI article, 7 EI conference papers, and three articles are submitted in top level journals. He received the first prize outstanding student for 2015, 2016 from BNU, and Chinese Government Outstanding International student award of the year 2016.

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