2025 Data Analysis and Mining - Homework 04

Two papers are given below and you are asked to choose one of them to implement the algorithm in the article.

Paper1: Cluster overlap as objective function
This first paper, with the filename *OKM_v19(1).pdf*, can be downloaded from this URL and can also be found in the Canvas course files.

Paper2: Clustering by fast search and find of density peaks
The second paper can be downloaded from this URL.

Submission Requirements
It is strictly required that the assignment be submitted as a ZIP file named *studentID_name_hw4.zip*. The file should include the following contents:
- **Code:** It is recommended that you implement your solution using Python. Submit a code folder (create subfolders by question ID if applicable) containing the complete implementation of the tasks, and accompanied by a README file outlining your thought process and execution steps.
- **Report Document:** Write a report in PDF format, using an appropriate length to describe how you completed the task.
- **Submission Deadline:** 2025/04/23, 23:59:59.

Note:
- The report can be written in Chinese or English.
- Please submit your file to Canvas.
- Please email late submissions to 1461715017@qq.com.

[Important Notice]
We will soon be releasing a workshop that will require students to form their own teams. Please form a team first and note that the number of students in each team is strictly limited to **four**. Please scan the QR code below to join the WeChat group.

If you have any questions, please contact the teaching assistant, Shijie Luo (QQ: 1461715017).

群聊: 2025-DAM通知群

该二维码7天内(4月23日前)有效，重新进入将更新