

User's Guidance

This document is written to present how to repeat our proposed approach. Before running the code of our proposed approach, the following reminders are worth noting.

1. Running Requirement:

The code computing the attribute profiles was implemented using the C++ and Open CV 3.0.

The software of the coding environment can be download here:

Library opencv 3.0: <https://opencv.org/opencv-3-0/>

VS2017: <https://docs.microsoft.com/en-us/visualstudio/releasenotes/vs2017-relnotes>

WEKA: <https://www.cs.waikato.ac.nz/ml/weka/>

2. Parameter's Setting

Customize input parameter:

Input Path:

1. Data path;
2. The total number of classes;
3. The path of the corresponding image;
4. Set the initial classification map path for the knn;
5. Set the initial classification map path for the mlc
6. Set the initial classification map path for the rt
7. Set the save path for the refined training sample path

Output:

The final training sample set.

3. Classification

The final training sample set was applied for classification in the WEKA software.

If you encounter a problem, please do not hesitate to contact us:

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