DownLoad: Please download ALL files including data files, code files, change_s files and test files.

Decompression: After decompression, there are:
(i) Six data files: SourceFile0.txt (TAO), SourceFile1.txt (Trip), SourceFile2.txt (Stock), SourceFile3.txt (HPC), SourceFile4.txt (GAS), SourceFile5.txt (Normal).
(ii) Nine c++ projects: each C++ project corresponds to an algorithm in the experiment;
(iii) Test files and change_s files.

Build: c++ projects can be complied by VS 2019.

Run: exe file, data file , change_s file and test file should be contained in the same file directory.The test file name is "test.txt". Note one test.txt corresponds to one SourceFile.txt .

Data format(for 3-dimension data): 0.04 84.87 23.436
Test format(five parameters): 3 1.9 50 30000 500 1
1st parameter refers to dimension d-3 in above example
2nd parameter refers to query radius r
3rd parameter refers to neighbors threshold k
4th parameter refers to the window size. 30000 means dimension*10000,which 10000 is the window size
5th parameter refers to the data inflow and outflow
6th parameter refers to code flags,which not effect the code run

Experiment KNode Test format(seven parameters): 3 1.9 50 32 0.05 30000 500
1st parameter refers to dimension d-3 in above example
2nd parameter refers to query radius r
3rd parameter refers to neighbors threshold k
4th parameter refers to the index split threshold
5th parameter refers to rho
6th parameter refers to the window size. 30000 means dimension*10000,which 10000 is the window size
7th parameter refers to the data inflow and outflow

Note that when testing the s parameter, due to the different flow rates of change_s.txt, it needs to be tested separately and different change_s.txt should be used in conjunction with each set of parameters in text.txt. For details, please refer to the README.txt in code.