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/* The experiments were implemented in Visual 2010 C#

/* and executed on a PC with 2.4 GHz CPU and 3.0 GB memory.

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* USER MANNUAL for Partial Periodic Pattern Mining (PRAMining)

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How to execute the executable program:

1. .NetFramework is needed to execute this program
2. The input and output files need to be stored in "c:\temp" directory. And the filename is as you entered.
3. Enter the necessary parameters from screen.
4. Select the algorithm you need to run.

Running Environment:

This has been tested using the

- Microsoft Visual Studio 2010 C# environment
- Operating System: Microsoft XP/Win7

Notice: All the input and output files will be stored in C:\Temp directory.

Before you run the PRAMining:

1. Put all the files in \Dataset directory into C:\Temp Directory.
2. Go to \Executable Directory, to run "PRAMining.exe"
3. The testing result can be viewed by clicking "Check Result" button on the screen.
Or You can directly view the result file in C:\Temp directory

Executable Files Location:

1. The executable files are in the "Executable" directory. You can simply click the "PRAMining.exe".
2. The environment need to have .NET Framework client environment for Visual C# to be run.

Dataset location:

1. The synthetic data contains different length of data which generated from IBM synthetic Data. -- IBM Quest Data Mining Projection (1996). Quest Synthetic Data Generation Code from <http://www.almaden.ibm.com/cs/quest/syndata.htm>.

S3I4N1KD50K_out.txt

S3I4N1KD100K_out.txt

S3I4N1KD150K_out.txt

S3I4N1KD200K_out.txt

S3I4N1KD250K_out.txt

S3I4N1KD500K_out.txt

2. BrentOil.txt which generated from Brent Oil Price of Year 2000 ~ 2011.

Source Code location:

1. The source code are in the "SourceCode" directory. There are 4 cs files in /SourceCode.

- a. FormMain.cs - This is the Main & main form program to call the other three programs.

- b. CreateEPSD.cs - Read sequence data into useful format.

- c. PRAMain.cs - Start to do the PRA Mining

- d. CreatePattern.cs - Create the readable format of patterns.