**Platform:**

Language: java version "1.8.0_60"

Operating System: Windows 7

**How to run the code:**

In order to run the code we modify the Global parameters in FullData.java

```
private static final String INPUT_FILE_NAME1 = "C:\\Users\\user\\Desktop\\CS310_project_subregion\\";
 public static int row=302;
 public static int col=448;
 public static int time=1404;//for 9 year split do 1404/3 for small it will be
 public static int yflag=0;//0 for complete 1 for first 9, 2 for second 9, 3 for last 9, rest for small data set
 public static float r=0.9f;  //threshold for 0.9 and 0.95
 public static int shift=4;//time shift for 1,2,3,4
  public static int thread=16;//number of parallel threads
```

In this the variables can be specified according to the part of the problem we want to solve.

1. Input File Name: It will be The the path of the datafiles in the machine we are using.
2. Row : the number of rows in the input dataset.
3. Col: The number of Columns in the input dataset.
4. Time: The number of weeks for which the data needs to be run.
5. Yflag: Flag variable determining what type of run we want to make. Ex: For the complete data or for the time lag.
6. Shift : Is the time shift parameter included to determine the time shift.
7. Thread: The number of parallel operations we want to make.

In order to run we just open cmd in a windows machine and go to the path where the code is.

Then we compile javac FullData.java.

Then we run the code using

java -Xms1024m -Xmx1024m FullData

In this we have increased the java heap size to accumulate the data.