

# Technical Document

## On

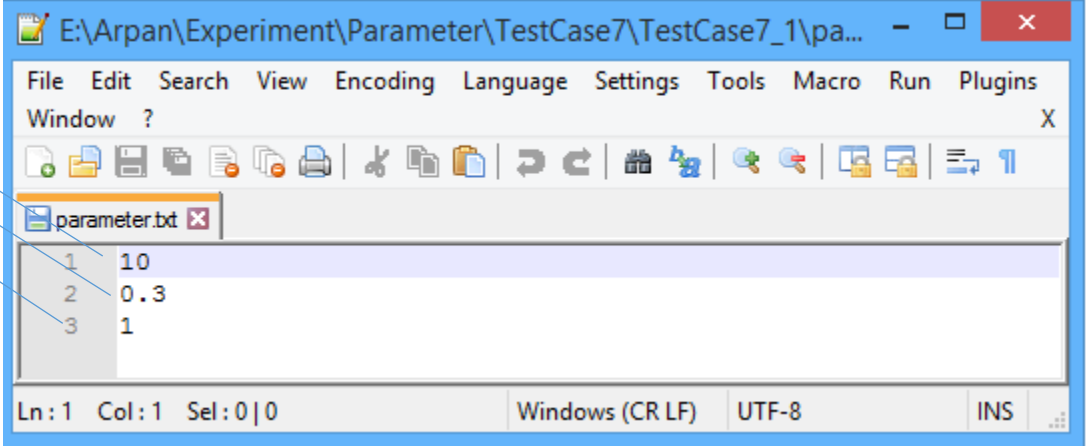
### Colocation Mining

#### 1. Parameter File

Distance Threshold

Prevalence

Turn on or off filter mechanism  
1: Turn on filter  
0: Turn off filter



The screenshot shows a text editor window titled 'E:\Arpan\Experiment\Parameter\TestCase7\TestCase7\_1\pa...'. The editor contains a file named 'parameter.txt' with the following content:

Line	Value
1	10
2	0.3
3	1

Ln: 1 Col: 1 Sel: 0 | 0 Windows (CR LF) UTF-8 INS

#### 2. Test Cases Configuration Configuration file Sample:

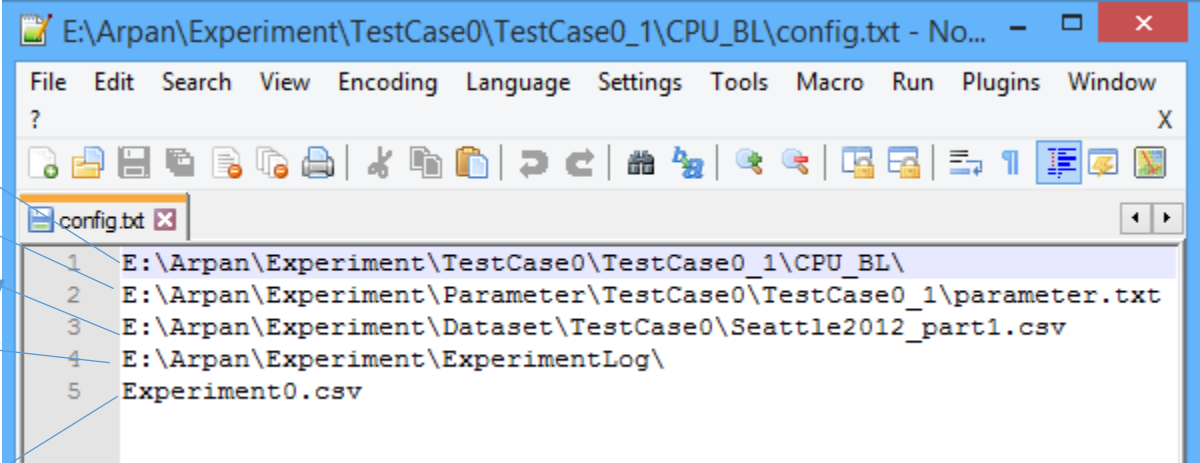
Config file location  
Output files for prevalent pattern are saved here.

Parameter file

DataSet name and

Output Location for summary statistics for each run

CSV that stores summary statistics for each



The screenshot shows a text editor window titled 'E:\Arpan\Experiment\TestCase0\TestCase0\_1\CPU\_BL\config.txt - No...'. The editor contains a file named 'config.txt' with the following content:

Line	Value
1	E:\Arpan\Experiment\TestCase0\TestCase0_1\CPU_BL\
2	E:\Arpan\Experiment\Parameter\TestCase0\TestCase0_1\parameter.txt
3	E:\Arpan\Experiment\Dataset\TestCase0\Seattle2012_part1.csv
4	E:\Arpan\Experiment\ExperimentLog\
5	Experiment0.csv

### 3. Data File: Seattle2012.csv

**Source:** City of Seattle, Department of Information Technology, Seattle Police  
Department: Seattle Police Department 911 Incident Response. <https://data.seattle.gov/Public-Safety/Seattle-Police-Department-911-Incident-Response/3k2p-39jp>

Table A:

Column Name	Description	Range/Types
Feature_type	feature represents different types of crimes. Data is sorted by feature types. More description given in table B.	[1,5,8,9,10,14,20,24,28,39,40,42,43]
x_coordinates	Converted x coordinates from longitude and latitude values (In meters)	Min: 0 Max: 16011.3
y_coordinates	Converted y coordinates from longitude and latitude values(In meters)	Min: 0 Max: 24902.3

Table B:

Feature_type	Crime Description	Count
1	Accident Investigation	12600
5	Auto Thefts	3776
8	Burglary	5058
9	Car Prowl	6126
10	Disturbances	27621
14	false alarm	7499
20	liquor violations	14003

24 narcotics complaints	5055
28 property related	6160
39 shoplifting	4977
40 suspicious circumstances	32565
42 Traffic related Calls	35365
43 Trespass	4653
Total	165458