Combinatorial Coverage Measurement Command Line Tool

Classic Mode

Classic mode is the command line version of CCM. It provides all the same functionality as the GUI version with some extra functionality such as reading ACTS input files to define the input domain.

To put the tool into classic mode, pass the parameter "—mode=classic" or "-M classic".

Command Line Arguments:

- **EXTENDED COMMAND LINE ARGUMENT**
  - **ALTERNATIVE SHORTENED COMMAND LINE ARGUMENT**

Default on all "TRUE" or "FALSE" arguments is "FALSE"

- --inputfile="path to input file" (must be a .csv or .txt file)
  - –I "path to input file"
- --paramName="TRUE" or "FALSE"
  - –P "TRUE" or "FALSE"
- --constraints="path to constraints file" (must be a .txt file)
  - –C "path to constraints file"
- --parallel="TRUE" or "FALSE"
  - –p "TRUE" or "FALSE"
- --tway="2,3,4,5,6" (any combination and in any order)
  - –T "2,3,4,5,6"
- --stepchart="TRUE" or "FALSE"
  - –S "TRUE" or "FALSE"
- --barchart="TRUE" or "FALSE"
  - –B "TRUE" or "FALSE"
- --heatmap="TRUE" or "FALSE"
  - –H "TRUE" or "FALSE"
- --generate-missing="TRUE" or "FALSE"
  - -G "TRUE" or "FALSE"

- --output-file=”path to missing combinations output file name” (should be a .txt or .csv file)
    - -o “path to missing combinations output file name”
- --append=”TRUE” or “FALSE”
    - -a “TRUE” or “FALSE”
- --generate-random=”TRUE” or “FALSE”
    - -r “TRUE” or “FALSE”
- -n (integer)
    - THIS VALUE MUST BE SET IF GENERATING RANDOM TEST CASES
- --output-random=”path to output random test cases”
    - -f “path to output random test cases”
- --ACTSfile=”path to ACTS configuration file” (must be a .txt file)
    - –A “path to ACTS configuration file”

The ACTS file feature has not yet been implemented. An example on how to use the current version is on the next page.

To test the current version of the CCM command line tool download the ccmcl.jar file from GitHub. Use the parameters above. For example:

```
C:\Users\zbr\Desktop>java -jar ccmcl.jar -T 2 -I test1.csv --parallel=true -S tr
ue -B true -H true

2way invalid combinations:

C:\Users\zbr\Desktop>
```

java –jar ccmcl.jar –T 2 –I test1.csv –parallel=true –S true –B true –H true

The output will be a graph like below depending on what charts you wish to display. Push “Ctrl+C” to stop the program.