**Installation and Setup**

* Download and install perl <http://www.activestate.com/activeperl/downloads>

Put script location in path

* Open up command prompt and run cpan, this could take a while.
* Type the following into the command prompt to install the perl modules
  + PPM install dmake
  + cpan App::cpanminus
  + cpanm Spreadsheet::WriteExcel
  + cpanm Text::Ngrams (may need to be forced –f Text::Ngrams)
  + cpanm FFI::Raw (may need to be forced –f FFI::Raw)
  + cpan IPC::Cmd

**Using Asap**

From the GUI

1. Select whether you want to make a query on a single file or run an experiment on multiple files and authors.
2. Select the method, SCAP or Burrows

* SCAP is a language-agnostic method that compares groups of tokens in a file(s)
  + Requires N which is the token length
  + Optional L which is the maximum number of tokens to store
* Burrows fast, non-language-agnostic method
  + Requires N which is the token length
  + Requires a Token file for the language
    - C# and Java Token files are provided in the res file

Running a query

* Running a query checks the test file against the files in the training directory
* Training results are entered into the training output directory, this directory must be empty to run the query properly

Running experiment

* Choose which kind of experiment you want to run: Default split, K-fold, Leave one out
  + Each requires a test directory, the files to be tested
  + The default split also requires a test directory
* Enter the appropriate values and files for the method you want to use

1. After the values and files are selected click the Query/Experiment button to run the query or experiment
2. The command and results are displayed in the output window
3. A spreadsheet is also created and can be opened from the GUI

Form the command line

1. Open the command prompt and enter

Training:

perl (directoy path to src folder)/Asap.pl -train –(method scap/burrows) -inputdir=(training directory path) -outputdir=(output directory path) -verbose

Query:

perl (directory path to src folder)/Asap.pl -query –(method scap/burrows) -inputdir=(training output directory) -doc=(directory path to test file) -n=(n value) -L=(l value if scap method) -report=results.xls -verbose

Experiment:

perl (directory path to src folder)/Asap.pl -experiment –(method scap/burrows) -testdir=(test directory) -trainingdir=(training directory) -n=(n value) -L=(l value if scap) -report=results.xls -verbose