Installation and Setup

* Download and install perl <http://www.activestate.com/activeperl/downloads>
  + Verify perl binaries are in path
  + Verify .pl ext is associated with perl.
* 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
* Add “C:\Users\jsiegers\Desktop\MyTools\MyTools” (wherever perl scripts are located) to PERLLIB enviro variable – create if it doesn’t exist

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

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

Underline = required

* -L length of profile (default 2000)
* -n length of n-gram (default 6)
* ASAP (-train [-dir=directory] | -query –doc=<query document> [-dir=<directory>] | -experiment ) (-SCAP [-L=<length>] [-n=<n-gram size>]| -Burrows)
* -Make a elegant way to parse command functions
* ASAP –Train –d=”c:\MyStuff” –method=Burrows –n=6 –L=2800