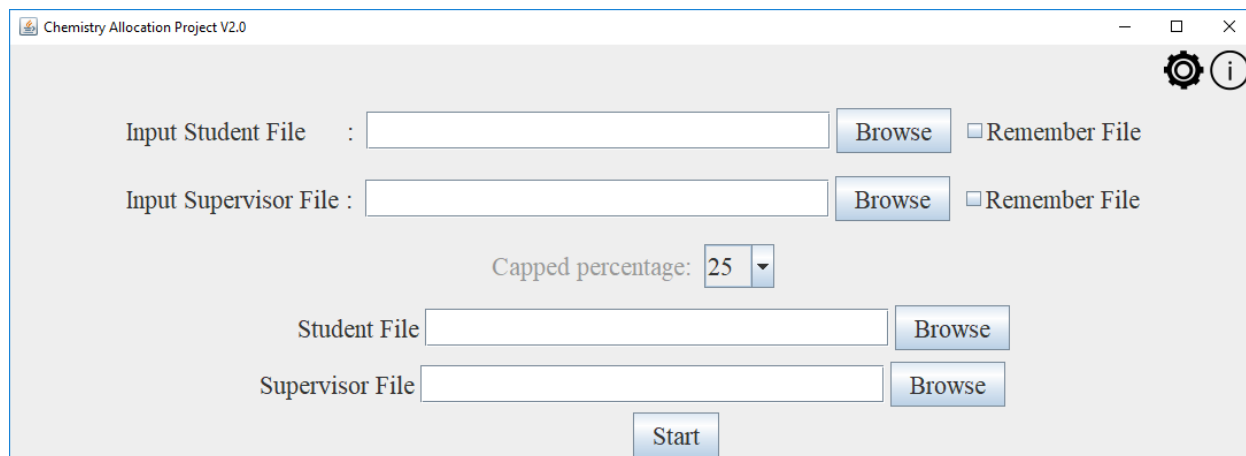


Chemistry Allocation System V2

Step 1: Set the configuration data

The Program is now designed to work in many ways depending on the configuration. Run the program and click the cog icon in the top right of the screen.



The screenshot shows the 'Chemistry Allocation Project V2.0' window. In the top right corner, there are icons for settings (a gear) and help (an 'i' in a circle). The main area contains several input fields and buttons: 'Input Student File' with a text box, a 'Browse' button, and a 'Remember File' checkbox; 'Input Supervisor File' with a text box, a 'Browse' button, and a 'Remember File' checkbox; a 'Capped percentage' dropdown menu currently set to '25'; 'Student File' with a text box and a 'Browse' button; 'Supervisor File' with a text box and a 'Browse' button; and a 'Start' button at the bottom center.

The configuration data is split into 3 categories, student, supervisor and matching.

- Student - The student section contains indexes into the student input data. When the program is pointed to a student file it needs to be told what columns are where. Which column is the username column? What columns are the choice columns? Which are the keyword columns? Etc.
- Supervisor - The supervisor section contains indexes into the supervisor input data. When the program is pointed to a supervisor file it needs to be told what columns are where. Which column is the supervisors name? Which is the supervisor capacity?
- Matching – The Matching section contains data that describes how the match will work. Is keyword allocation to be used? Is topic area allocation to be used?

Step 2: Select the input files

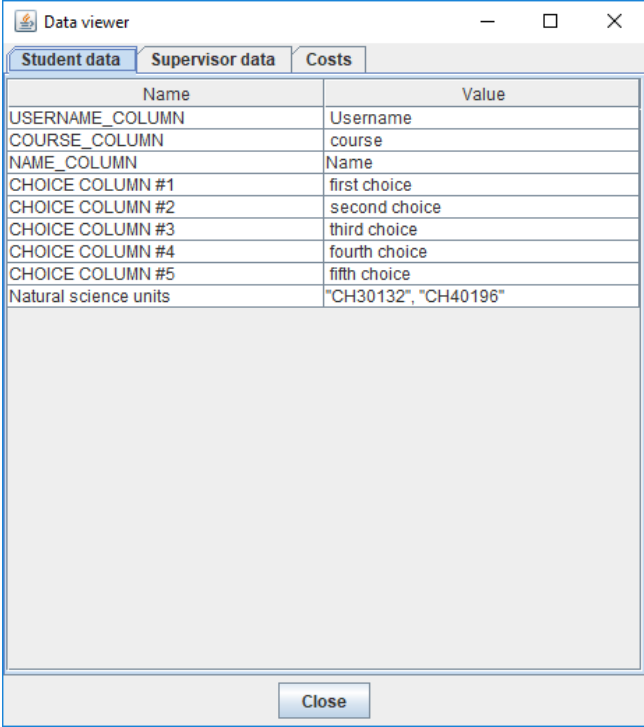
Use the input sections on the main page to select the student and supervisor input files

Step 3: Check the configuration data

Once you have set the configuration data and the input files, it is **highly** recommended you view the data to make sure it all makes sense. On the home screen press the i icon in the top right.

Like the configuration the data is split into 3.

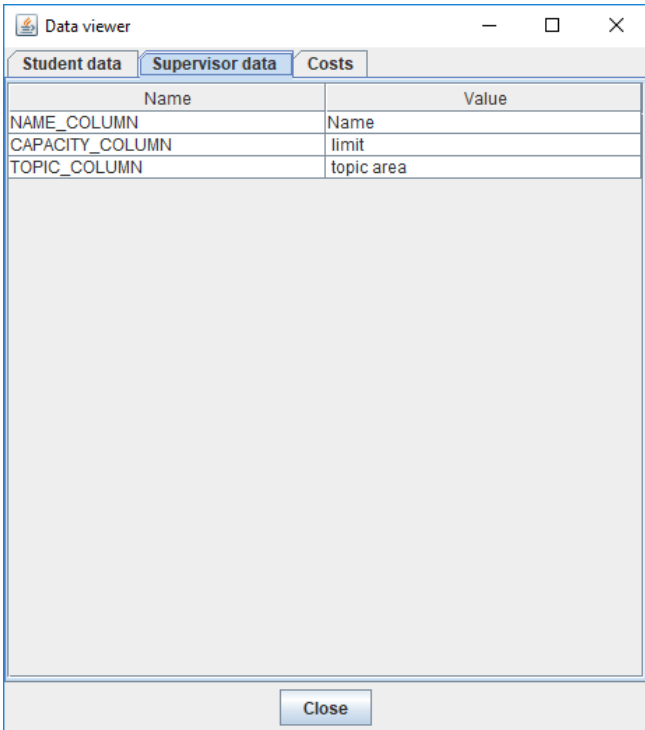
- Student – The student data will show the column names with what the program interprets them as. For example, in the image below the program is telling you that it is using the column with the header “Username” as the username column



Name	Value
USERNAME_COLUMN	Username
COURSE_COLUMN	course
NAME_COLUMN	Name
CHOICE_COLUMN #1	first choice
CHOICE_COLUMN #2	second choice
CHOICE_COLUMN #3	third choice
CHOICE_COLUMN #4	fourth choice
CHOICE_COLUMN #5	fifth choice
Natural science units	"CH30132", "CH40196"

Close

- Supervisor – The supervisor data will show the column names with what the program interprets them as. For example, in the image below the program is telling you that it is using the column with the header “limit” as the supervisor capacity column

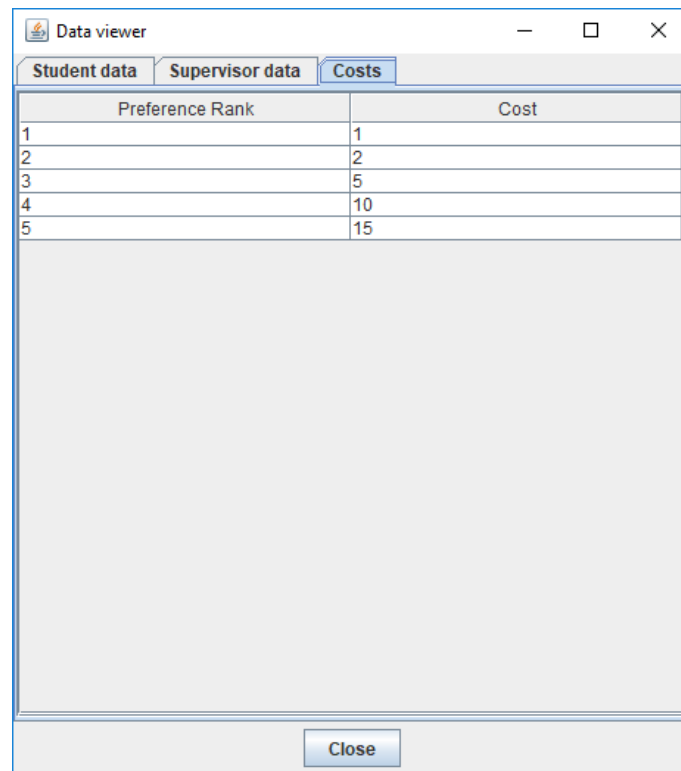


Name	Value
NAME_COLUMN	Name
CAPACITY_COLUMN	limit
TOPIC_COLUMN	topic area

Close

- Costs – The cost section shows you a table of costs that the program uses in the matching. The table is ordered and shows you what the program considers to be the best matching and what it considers

to the worst matching. In the example below the cost of preference rank 1 is 1 and preference rank 5 has a value of 15. Use this page to weigh topic area, keywords and preference choices and tweak the configuration.



The image shows a 'Data viewer' window with three tabs: 'Student data', 'Supervisor data', and 'Costs'. The 'Costs' tab is selected, displaying a table with two columns: 'Preference Rank' and 'Cost'. The table contains five rows of data. Below the table is a large empty grey area, and at the bottom is a 'Close' button.

Preference Rank	Cost
1	1
2	2
3	5
4	10
5	15

Step 4: Match

Perform the allocation and view outputs