Similarity rank:

* Same class & teacher: 5 points
* Same class: 4 points
* Same major: 3 points
* Same department: 2 points
* Same school: 1 points
* Other: 0 points

Ranking algorithm:

1. Create user vs rater matrix (actual)
2. Create user vs user matrix (theoretical)
3. Determine column\_match\_list by making list of largest value in each column

* Do this for both actual and theoretical matrix
* Length of column\_match\_list should be equal to number of classes as the rater

1. Determine frequency of numbers (for numbers 0-5) in column\_match\_list to get freq\_list

* Do this for both actual and theoretical matrix
* Length of freq\_list should be 6 (for numbers 0, 1, 2, 3, 4, 5)

1. Make row\_match\_list by determining the highest value in each row

* Do this for both actual and theoretical matrix

1. Determine standard deviation of the two column\_match\_list (to get column\_stdev) and the two row\_match\_list (to get row\_stdev)
2. Sum up all the values in row\_stdev and column\_stdev to get diff\_score
3. MAYBE do this (this might not work):

* [1 – avg(values of column\_stdev and row\_stdev)] \* 100 = % match