The problem that Jiayi  and I discussed for my project was how to best create the variable of MISSING\_REQ\_CLASS\_OFFERED\_NEXT\_TERM for my dataset. The complexity of which classes are required and if a person has completed them was leading me to think I was going to have to do a hand coding exercise to check all the required classes that were still missing on a person’s record as of a given term and then check if they were offered the next semester. Instead with her help we thought through creating a matrix for each student of all the possible required classes each term and if they were offered the following term. Then I could use a VLOOKUP against raw registration data to see which ones the student had completed. Finally I could filter down to the N/A’s created by the VLOOKUP and easily create a Y/N value on if any of those were offered the following term.

It’s still a significant amount of work, but far more manageable.