VLOOKUP

* Used VLOOKUP to combine instructional instructional expenditures per student, median earnings of students 10 years after entry, percentage STEM majors, and percentage social science majors

Prepping Data

* Created 2 rows above table with mean and median of each cluster variable
* Created z score section with one column per cluster variable using x, mean, stdev of each cluster variable
* Created a table above dataset with 5 anchor points 🡪 used VLOOKUP to fill in the other columns (college name and z scores of each cluster variable)
* Created distance squared section using row in anchor table and in dataset table 🡪 used function =SUMXMY2
* Found minimum distance squared out of the 5 distance squared columns in separate column 🡪 used function =min
* Matched minimum distance squared to a number for which column it comes from
* Created cell with sum of minimum distance squared

Cluster Analysis

* Ran solver with the parameters <= 1, >=2199, =int
* Acquired final solution with 5 clusters