1. What assumptions about the data do we make when we model the date using a Gaussian distribution?
    a. That the data is already discreet and that the data can be grouped in logical bins.
2. When do you expect that a Gaussian will work well and when do you think it will not work well?
    a. From the testing of this experiment it seems to work mostly with this music experiment, but I would not say it works great. It would not work very well at all when the data is linear.
3. What values of k work best for the kNN classifier?
    a. Values that do not have very large variance
4. Based on your results from this assignment, which classifier (Gaussian or kNN) works best for the task of Music Genre Classification?
    a. Gaussian seems to work the best
5. Why do you think each classifier performed as well (or as poorly) as it did?
    a. Gaussian works out well when the data is in a common pattern and easily repeatable. It did have a fairly large error rate, kNN does not fair well when the data is spread out as much as the songs where.
6. Can you think of ways that you can modify the classifiers so that you might improve performance?
    a. I think tweaking the formula to possibly exclude some of the data points may lead to less overlapping of the song types, and thus lead to a more accurate guessing of song type.