Erikson Sodergren

ethics

      A: no.

      B: no longer consider this ethical because if the machine falsely issues a ticket, an innocent citizen is being penalized. I do not believe the U.S. has any laws against it however, since red-light cameras already exist.

The chosen speed threshold was 59mph
The program would choose the HIGHER value if there is a tie for best threshold, to give citizens benefit.

What i learned in this process is that i apparently get confused trying to write an entire otsu's method program in one place, because everything was completely wrong when i initially began, and was fixed by using matlabs built-in variance, mean, sort, and sub-array functions i didn't know about at first. These functions made my whole program cleaner so i could spot the problems. Also, variance seems to be lower with either fewer data values, a decreased range, or both. It is not entirely clear which or both of these factors were influential, but the graph shows a clear pattern that the smaller subsets with smaller ranges that we get when the threshold is near the mean had smaller variances.