

Footprint Activity Reflection

For the Footprint Activity I was asked to calculate the probability of finding out whether a criminal was a man or a woman by measuring the size of their footprint. I used a normal distribution function to calculate the probability of a variable in a certain interval, in this case I used the average size of a man's foot to calculate the probability of mistakenly identifying a footprint as a man's as well as a woman's. I also used inverse norm to work backwards to calculate the probability of a woman's foot after changing the error for a man's footprint.

I learned after doing this assignment how to apply my statistics skill in the real life. These math skills can be used outside of this class for calculating the probability of something or how often something can happen, whether it is usual or unusual. I could use my knowledge from this class and apply it to other classes if they provide some data, I could use that data and provide other information from that data. This assignment helped develop my problem-solving skills by thinking about how I could do the problem and figuring out how I could apply it to what I learned in the class. This assignment changed the way I thought about real world math problems by showing me how it works when investigating a crime scene. I could also use these skills elsewhere.