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Factors That Influence the Likelihood of Committing a Crime

The analysis in the Data Science Excel Demonstration aims to investigate how race, gender, and age influences the likelihood of people recommitting crimes and the probability of them being violent. The research sample comprised 11,757 people in the criminal record history logbook. The analysis in the Data Science demonstration revealed that the relation of men to women going into the criminal database is a 9;1 ratio which shows that males commit much more crime than females. The median age that is most likely to commit a crime is 35, with the standard deviation being 23 to 47 which is the age group that is prone to committing crimes, with the second standard deviation being 18 to 59. Out of 11,757 people in the data base 5,813 are African American, 4,085 are Caucasian, 1,100 are Hispanic, 58 are Asian, and 40 are Native Americans. With that information, it can be determined that African Americans are more likely to commit crimes, and the second highest is Caucasian. In the criminal database tt is calculated how many times a person has committed a crime, how often, and how serious the crime is. The computer calculates the data and makes an assumption if the person has a probability of recommitting a crime or not based on all the factors listed. According to the database, out of the grand total of 11,757 people in the database, around 2,419 women have a high chance of committing a felony. Whereas, men have a 9,324 possibility of recommitting a crime. As reported by the database, African American men have a 5,810 chance of coming back. While, Caucasian men have a 4,078 chance of breaking the law.

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