



Crimes of Passion: Testing the Association Between The Red Sox and Boston Crime Rates

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Our team is proposing to study if the Boston Red Sox losing a game is associated with higher crime rates in the city of Boston. We will use historical crime data from 2011-2020 from the City of Boston's data archive (data.boston.gov), alongside historical MLB data on the Red Sox win/loss record and date of games, to study any association between crime and lost games.

Our null hypothesis is that the mean daily crime rate for the city of Boston on days the Red Sox lose is equal to the mean daily crime rate over the whole 9 year period. The alternate hypothesis is that on days on which the Red Sox lose a game the city of Boston suffers from a higher than average crime rate.