Our main question is “What are the main factors affecting violent crimes in the United States?”

Analyzing prominent factors that are correlated to violence crimes may help government authorities allocate the appropriate resources to combat crime. The conclusions gathered from our specific data set might also be extrapolated to countries worldwide, serving as a useful tool for many other governments.

First, we will utilize both factor analysis and clustering of variables to formulate the appropriate explanatory variables for our study. We hope these techniques will nullify multicollinearity among the attributes of our data. Next, we will conduct various statistical regressions to measure the strength of correlations between factors.

Some factors cannot or cannot easily be captured in a data set such as ours. Thus, there may still be underlying factors that we are unable to study and account for. Furthermore, many studies have posed the same questions and have already discovered many of the characteristics associated with crime.

In order to build upon previous studies, we plan to utilize more advanced statistical tools, such as factor analysis, to conduct our study. Many of the existing studies have only used basic regressions to form conclusions. Perhaps we expect to form more specific conclusions regarding violent crimes.

References

Pallini**,** Brian, **Factors Affecting Crime Rates Across the United States:, A Regression Analysis**

**<** [www.marietta.edu/~khorassj/econ421/**crime**2.doc](http://www.marietta.edu/~khorassj/econ421/crime2.doc)**>**

**Committee on Understanding Crime Trends, Committee on Law and Justice, Division of Behavioral and Social Sciences and Education, “Understanding Crime Trends:: Workshop Report” , 30.June.2008**

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