Opportunity and Significance
We have created a program that will analyze crime data in Detroit between the years 2011 and 2014. This program will sort the data based on date, time, location, or category of crime.

Technical Objectives
By creating this program, we would like to provide a resource for people who need facts about the crime data in Detroit between the years 2011 and 2014. When the user inputs a date, time, and precinct, they will be given a graph of the crime data so that it can be viewed clearly. When the user chooses from the given parameters, crime rate is counted according to the chosen parameter and the information is displayed through graphs, tables, or charts. Extreme maximum and minimum rates of crime is also displayed alongside the rest of the statistics.

Related Work and State of Practice
This project was inspired by our very own urban situated campus. Many people believe that the Detroit crime rate has not decreased, but through this program we would like to dispel such rumors with facts we have found in the data group that we have used.

Technical Approach, Accomplishments and Results
We used MatLAB to create this program. By using MatLAB, we were able to easily create a program that will organize data and print out clear graphs, tables, and charts.

By creating this program, we organized crime data and created visual aids that make this program easy to use, and very educational.

As a result of this project, we have learned a lot more about the demographic of crime rates in Detroit.

Next Steps for Development and Test
For further development, we would like to broaden the range of years of crime data. We would also like to able to predict the rate of crime in certain areas by year. In addition, we would like to improve our program by also providing an average crime rate for each precinct as well as the specific crime data organized by crime type.

Commercialization Plan & Partners
This is a group project for our BE1500 course. We are not looking to commercialize this program, but we do believe that a program like this would be very beneficial to law enforcement, and for urban researchers alike.