**MSAN 621 Group Project**

Team Name: Machine Gun

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**EXECUTIVE SUMMARY**

Using data from incidents derived from SFPD crime incident reposting system we will attempt to predict the category of crime based on several features. The features include the date and time of the crime incident, the category (which is the response variable), a detailed description of the crime incident, day of the week, the district in which it happened, the resolution of the crime, the address and the X and Y coordinates.

The dataset provides almost 12 years of data from crime that were reported in San Francisco. We believe this multi-class classification problem will provide a very interesting challenge. This dataset also gives the opportunity to explore some data visualizations with all of the geographic data contained. Our initial idea is a multi-class classification tree or ensemble of trees to benchmark the first results and then feature engineering from there.

**INTRODUCTION**

**DATA**

**METHODS**

**RESULTS**

**CONCLUSION**