



# Where NOT to Park Your Car in Malden MA.

**A STUDY OF BREAKING AND ENTERINGS IN  
MALDEN MA**

**KATHLEEN DEGURSKI**

# Objective



Crime is on the rise all over the United States. The purpose of this project was to see if there was relationship between crime locations and time of day. Breaking and enterings are a real problem in Malden, so they were looked at along with time of day and where they were occurring. Type of breaking and entering, motor vehicle versus residence was also included but not used in this study. In my data I will look at time of day to see during which shift most of the breaking and enterings occur so that the city of Malden would know when they need more police officers patrolling the streets for this suspicious activity. This research can be used as a predictor for future crimes. I chose Malden because my hometown, Medford, has Tufts University's campus in it and the parking lots and dormitories would skew the results for the town overall.

# Previous Research



Much of the research on crime and time of day is relatively new and scarce. The closest study I could find to mirror my own was a study done by Lisa Thompson and Michael Townsley entitled “Looking Back to the future: using space-time patterns to better predict the location of street crime.” The separated the day into three shifts, like what the police use, and mapped street crime over time to help them prediction time and locations of new crimes.

# Research



I first began creating a spread sheet of all the breaking and enterings in Malden by searching the weekly police log and recording them. This gave me approximately seventy-five incidents. I used the street file from Nav-Tech and the land use map file from MassGIS to make the basis of my map and then geocoded the points.

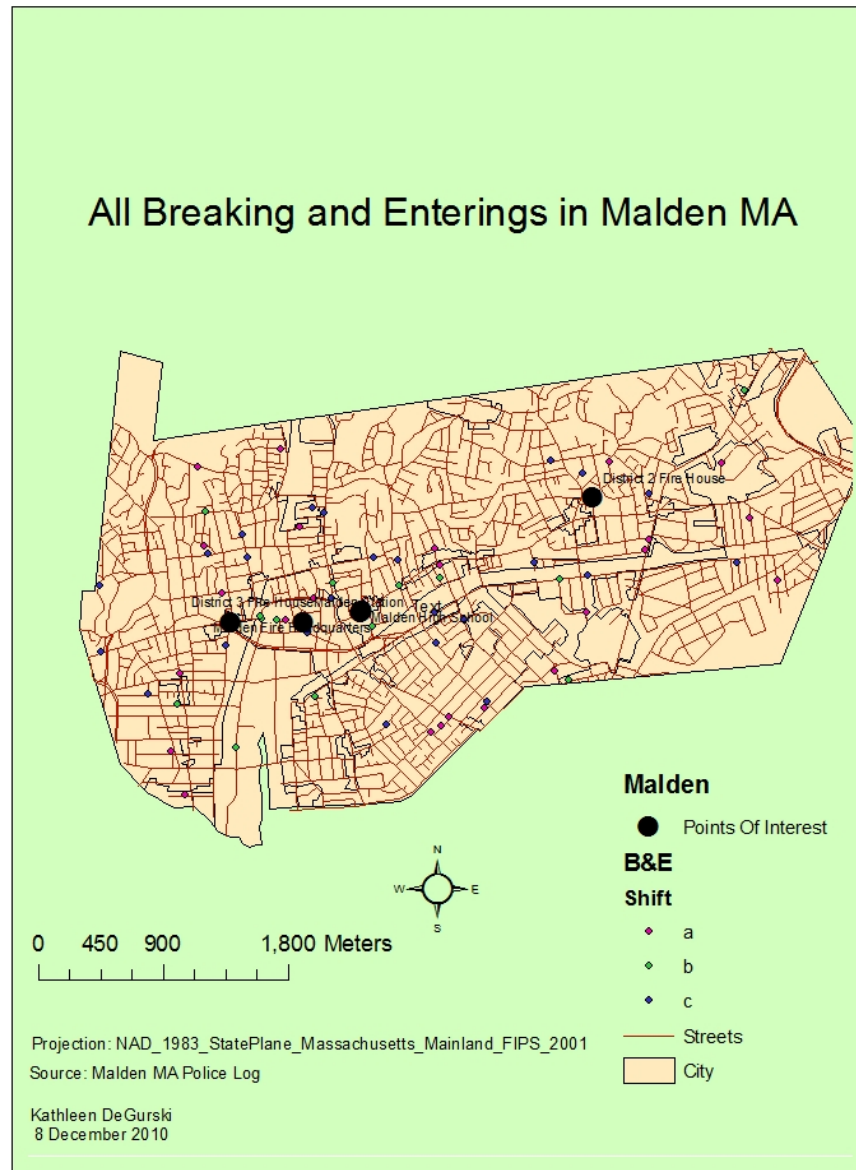
# Research



This map will show all of the breaking and enterings and points of interest I chose, the police and fire stations and the train station. The different colors show the different times based on shifts used by the police. Even by showing all of them you can see clustering of where the incidents are occurring. I specifically used the train station as a point of interest because even with the police station across the street, many breaking and enterings occur in that area.



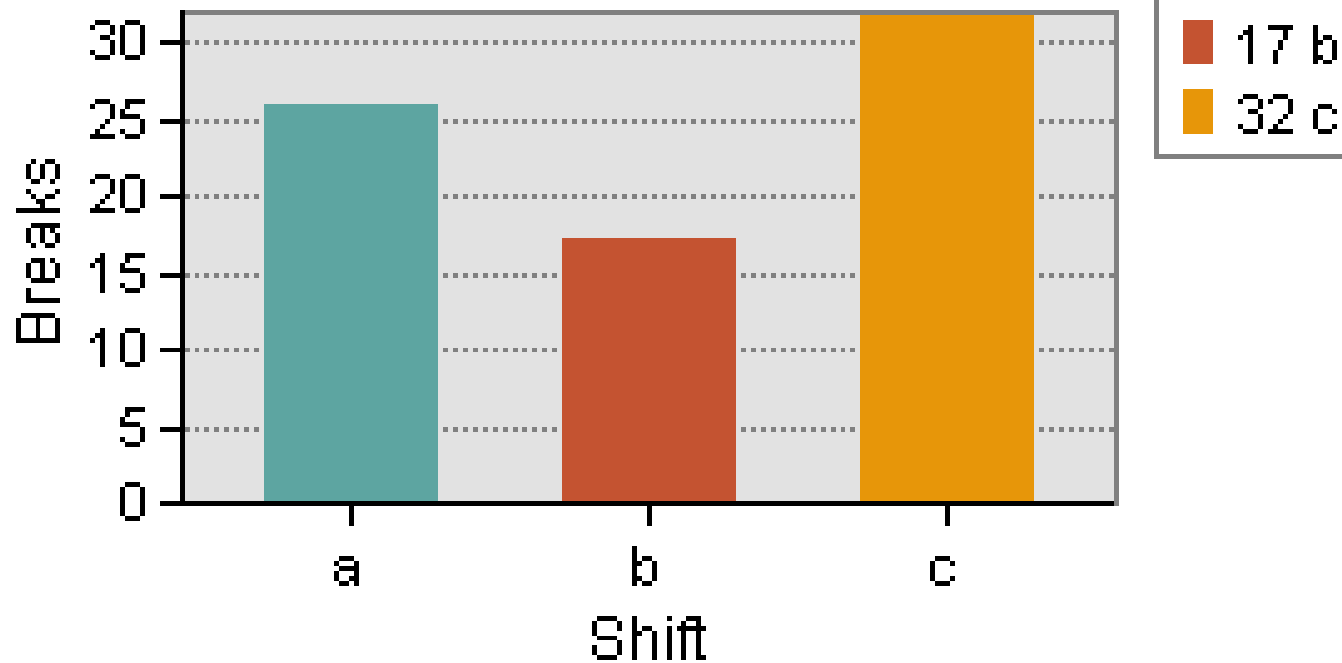
## All Breaking and Enterings in Malden MA



# Totals



## Total Breaking and Enterings



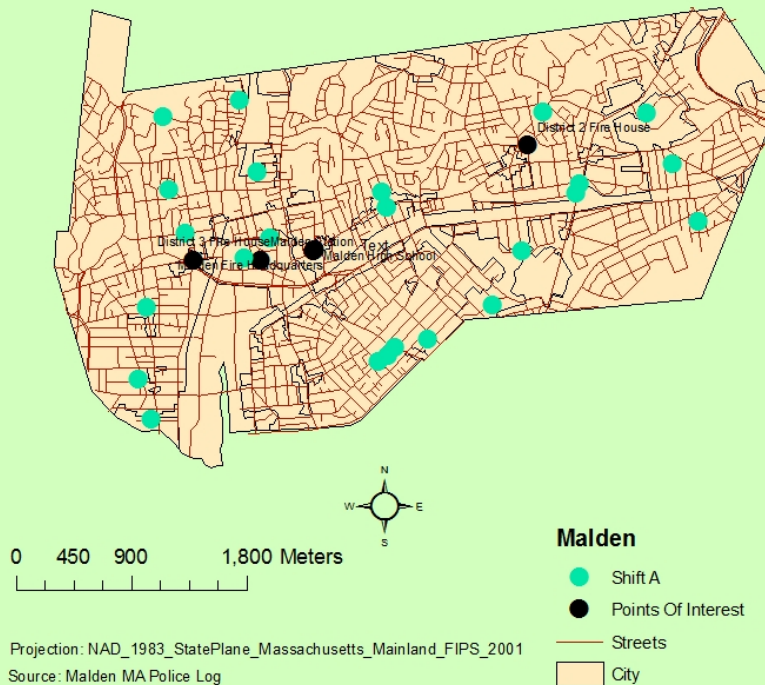
# Shift A



**Shift A is the standard 11 AM to 7 PM shift. Much of the vehicle crime occurs during this time around the train station and this is most likely because people leave their cars there unattended while they work.**

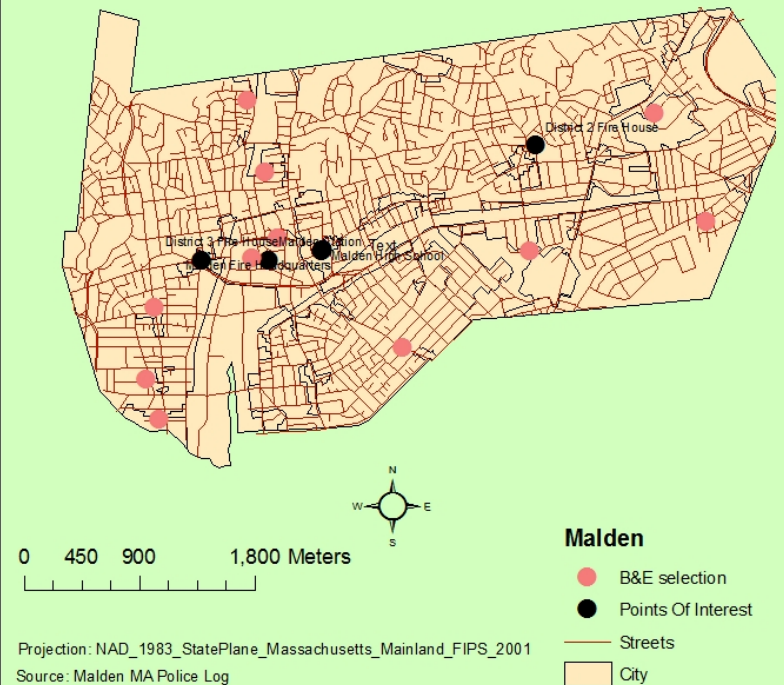


## Breaking and Enterings during Shift A



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## Breaking and Enterings during Shift A Vehicles Only



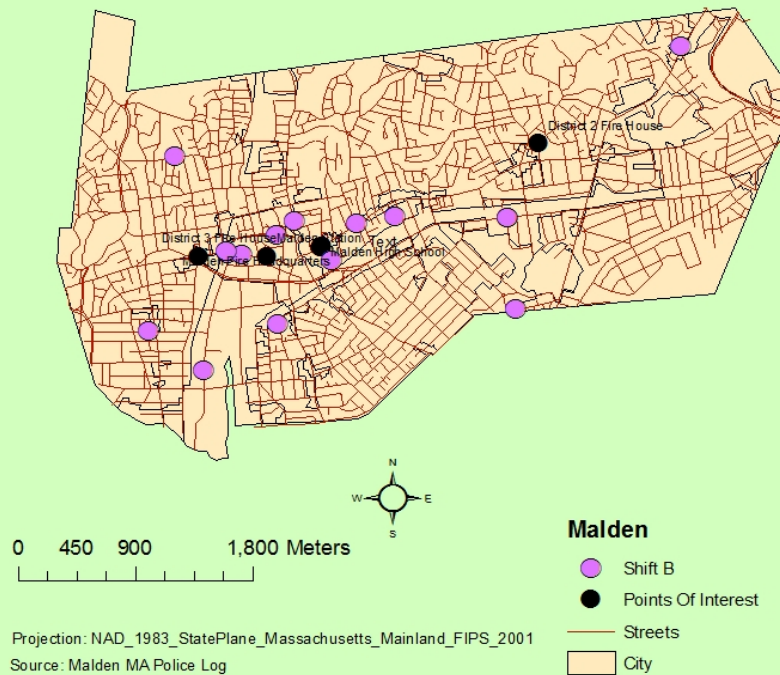
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# Shift B



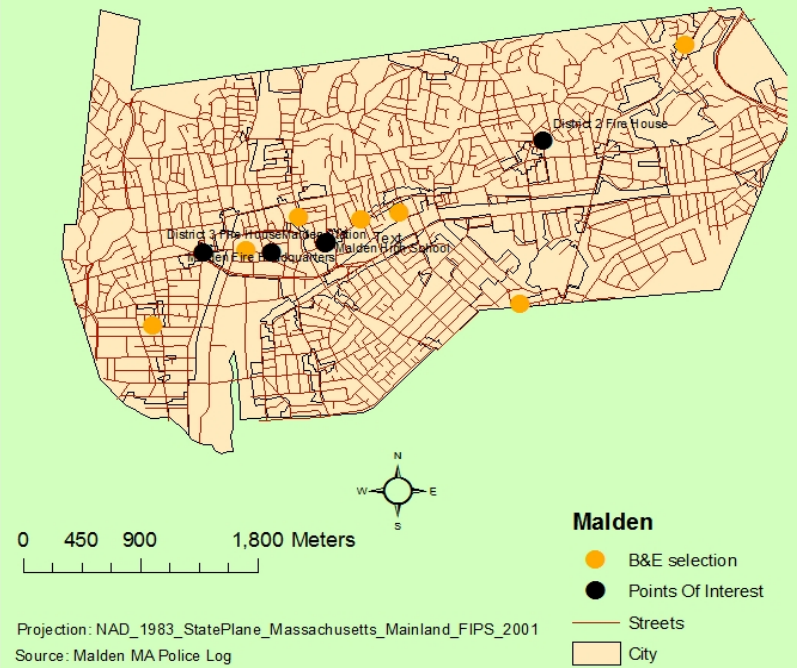
Shift B is the 7 Pm to 3 AM shift. Also known as the night shift, the crime is almost evenly split during this time. This makes sense because there are fewer car breaks, alarms would wake people, and more house and commercial building breaks as there may be no one home or they sleeping.

## Breaking and Enterings during Shift B



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## Breaking and Enterings during Shift B Residences Only



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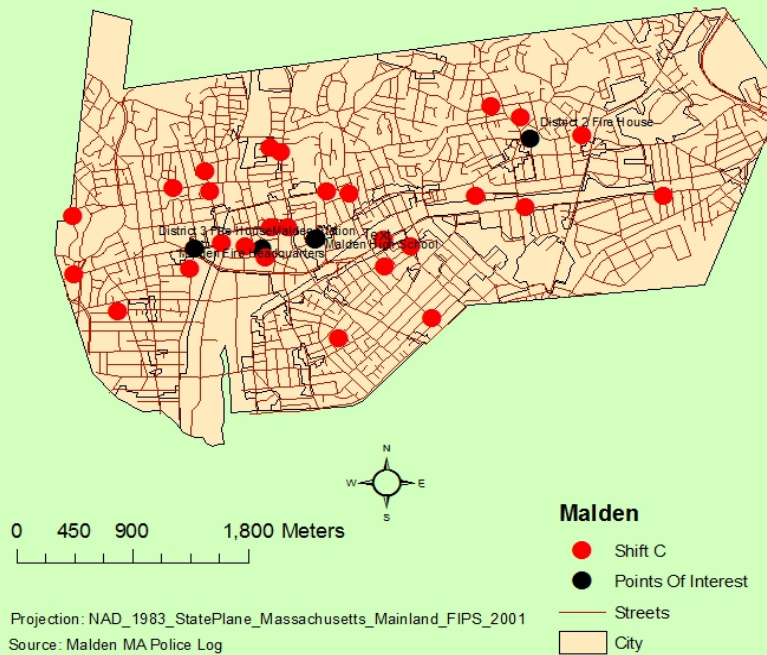
# Shift C



This is the 3 am to 11 am shift, also known as the early morning shift. This is when the most crime occurs in the city of Malden and when most of the car breaks occur. Even with the police station a block away, I would not park my car in Malden Center near the train station.

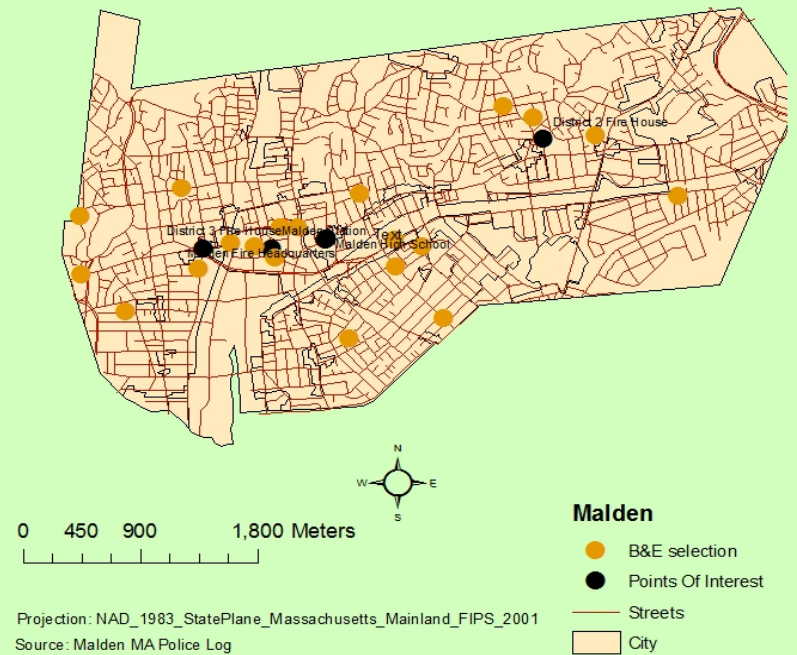


## Breaking and Enterings during Shift C



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## Breaking and Enterings during Shift C Vehicles Only



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# Conclusion



With much of the crime occurring during a specific time, in a fairly specific area, with a specific target, (3am to 11 am, Malden Center and cars) maybe Malden would consider using more patrol cars in that area patrolling near the train station. Their presence alone would be helpful in curbing this obvious trend. Funds should be allocated for patrolling the train station/ center during shift c to reduce the breaking and enterings that occur within the city.