

Tallahassee Crime Map

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Outline

Introduction

Data Collection and Processing

Experimental Data Analysis

Crime Heatmap Generation

Conclusion

Introduction

Write two goals of the project: 1) to create a crime map of Tallahassee, and 2) to analyze the crime data using traditional machine learning techniques.

TOPS Data Collection

Write a brief description about how we collected the data from TOPS

Data Processing

Write a short description about how we create our map dataset

Temporal Analysis

Put figures about temporal trends in crime data (per semester, per month, per day, per hour, etc.)

Spatial Analysis

Put the figure about locations where crimes are frequent

Brief explanation of GAN and pix2pix

Results

Put the results of the pix2pix model, i.e., the generated heatmap and accuracy

Improving the city via generated heatmap

Edit a geographical map and reduce the crime rate predicted by the model Explain how it can be used by city planners

Conclusion

Summarize the results and a bit of future work (like a web app for the model)