MODELING CHILD ABUSE TO EVALUATE LOCATIONS OF THE DEPARTMENT OF YOUTH AND FAMILY SERVICES
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ABSTRACT
This project was conducted to determine if ENVL 3303 is in suitable location for child abuse evaluation and prevention. The project is focused on measuring factors related to child abuse prevention and evaluation of the Department of Youth and Family Services (DYFS). The goal of the course is to provide students with a comprehensive understanding of GIS and its role in fostering research for understanding abuse in higher risk areas.

INTRODUCTION
The Division of Youth and Family Services is a key agency in New Jersey that investigates reports of child abuse and neglect. The Department of Youth and Family Services (DYFS) is responsible for investigating and following up on reports of child abuse and neglect. The goal of the course is to provide students with a comprehensive understanding of GIS and its role in fostering research for understanding abuse in higher risk areas.

OBJECTIVES
The objective of this project is to model areas that have the highest density of people that abuse and neglect children. The second objective is to model areas that have lower density of people that abuse and neglect children. The third objective is to model areas that are effectively serviced by DYFS.

FACTORS THAT INFLUENCE ABUSE AND NEGLECT

The factors that influence abuse and neglect are:
1. Socioeconomic Factors
   - Education
   - Family Size
   - Age of Children
   - Poverty
2. Geographic Factors
   - Distance to Services

METHODOLOGY
Modeling for partnership site areas related to determining which factors are associated with the production of abuse and neglect cases. ENVL to develop a decisional profile based on factors such as socioeconomic status, geographic location, and age of children. The model will be used to identify areas with a higher concentration of high school dropouts, single parents, and child neglect cases. The model will also be used to identify areas with a lower concentration of high school dropouts, single parents, and child neglect cases. The model will be used to identify areas with a higher concentration of high school dropouts, single parents, and child neglect cases. The model will also be used to identify areas with a lower concentration of high school dropouts, single parents, and child neglect cases.

RESULTS
The model map illustrates that the Department of Youth and Family Services is located in higher risk areas for child abuse and neglect. The model map also illustrates that the Department of Youth and Family Services is located in lower risk areas for child abuse and neglect.

CONCLUSION
In conclusion, a large percentage of New Jersey’s population is at risk for abuse and neglect. The model map illustrates that the Department of Youth and Family Services is located in higher risk areas for child abuse and neglect. The model map also illustrates that the Department of Youth and Family Services is located in lower risk areas for child abuse and neglect.

POSSIBLE AREAS FOR FURTHER RESEARCH
1. Socioeconomic Factors
   - Education
   - Family Size
   - Age of Children
   - Poverty
2. Geographic Factors
   - Distance to Services

REGIONS EFFECTIVELY SERVICED BY DYFS

HIGH-RISK AREAS NOT EFFECTIVELY SERVICED BY DYFS

REGION OF POTENTIAL FEEDBACK

REGION OF POTENTIAL FEEDBACK

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