### **Juvenile Justice in Massachusetts**

Mass Mutual 2023 Data Days for Good

[Citizens for Juvenile Justice (CFJJ)](https://www.cfjj.org/)

#### **Project Description Final**

Citizens for Juvenile Justice (CfJJ) was founded in 1994 as the only independent, non-profit, statewide organization working exclusively to reform and reimagine the juvenile justice and other youth serving systems in Massachusetts.

CFJJ is interested in understanding patterns and linkages between school discipline data, federal social welfare support programs, and school arrests in Massachusetts. They are specifically interested in understanding the relationships between geography, disability status, race and ethnicity, and age/grade levels.

*Useful Skills for this project:*

* data cleaning
* data manipulation
* data visualization
* statistical analysis
* tableau or other interactive software frameworks like Shiny App, Netlify, etc.

#### **Project Steps**

Initial Steps

1. Review this Project Description and determine questions or clarifications needed
2. Review the data and compile a list of questions, if any, for the partner. Make sure you understand the fields provided and do research for data dictionaries if needed (or ask the partner)
3. Determine what geographic level can be used to link the different data sets (e.g. school, county, school district, town?). The partner is hoping to have the data by school district.
4. Create a work plan with your team and determine the breakdown of tasks to accomplish the expected goal.
   * 1. This is a fast paced project so make sure to budget your time wisely and efficiently!

Data Sets ([sharepoint folder](https://bushare-my.sharepoint.com/:f:/r/personal/zcranmer_bu_edu/Documents/MassMutual%20-%20CDS%20Shared%20Folder/DDFG/MassMutual%20Data%20Days%20for%20Good%20Public%20Folder/CFJJ%20Project?csf=1&web=1&e=kBxtUR))

You will be interacting with the following data sets below. Review them and come up with a strategy amongst your team on how to approach the task at hand.

1. [Cross Tabulated DESE discipline data by year](https://bushare-my.sharepoint.com/:f:/r/personal/zcranmer_bu_edu/Documents/MassMutual%20-%20CDS%20Shared%20Folder/DDFG/MassMutual%20Data%20Days%20for%20Good%20Public%20Folder/CFJJ%20Project?csf=1&web=1&e=kBxtUR)
2. [School Based Arrest Data](https://bushare-my.sharepoint.com/:f:/r/personal/zcranmer_bu_edu/Documents/MassMutual%20-%20CDS%20Shared%20Folder/DDFG/MassMutual%20Data%20Days%20for%20Good%20Public%20Folder/CFJJ%20Project?csf=1&web=1&e=kBxtUR)
3. [Federal AFCARS data](https://bushare-my.sharepoint.com/:f:/r/personal/zcranmer_bu_edu/Documents/MassMutual%20-%20CDS%20Shared%20Folder/DDFG/MassMutual%20Data%20Days%20for%20Good%20Public%20Folder/CFJJ%20Project?csf=1&web=1&e=kBxtUR)
4. Other school data that might be interesting: <https://profiles.doe.mass.edu/>

Merge data sets based on school districts, if possible, to examine discipline rates and relationships to participation in social welfare programs and school arrests. Dig deeper to see how these patterns vary based on disability status, race, ethnicity, and age or school year

**Final Deliverable Format:**

1. Present an analysis of findings in a report or Powerpoint and display data in an interactive searchable/filterable platform like tableau or other platform that allows for the same functionality.

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