

1. What kind of relationship exists between a school district's disciplinary enforcement rates and it's academic achievement?

We will quantify 'disciplinary enforcement' with data regarding suspensions, expulsions and law-enforcement intervention, and 'academic achievement' by examining SAT scores, graduation and completion rates for the year 2017.

2. All data comes from the Colorado Department of Education (www.cde.state.co.us) and is comprised of the following data sets:

Discipline Action by Gender
Discipline Action by Race
2017 SAT PSAT District Profile
Grad-School-Race-Gender

I will need to condense much of the data into classifications as conditions are very specific and not to the point of this analysis. This will allow me to drop many unneeded descriptions. i.e. School districts will combine all schools within a district, parse through the discipline datasets to pullout just those that pertain to high schools, and make columns that describe a gender in relationship to a graduation or completion rate one feature.

3. The Minimum Viable Product will be to produce statistics and visual demonstrations that suggest a strong or weak relationship between variables of gender and race with academic achievement.