DSI - Project 2

Fiona Dee - May 2021

Background

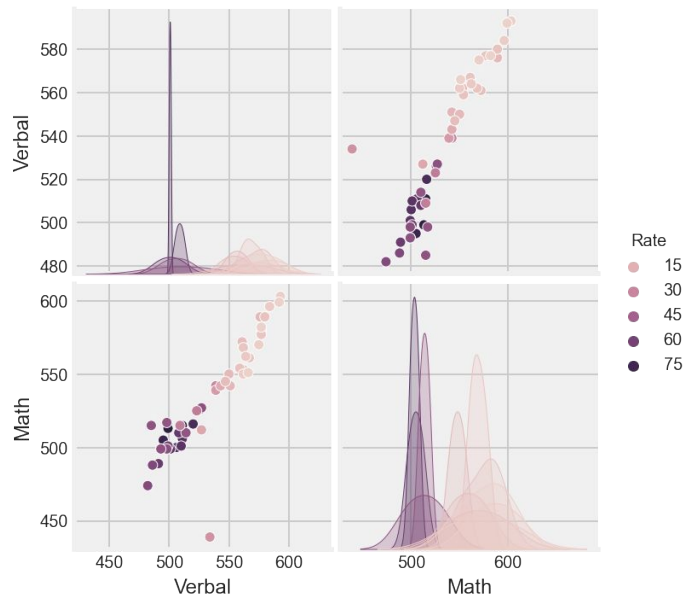The mayor wants to start a new initiative to move the needle on one of two separate issues:
- high school education outcomes;
- drug abuse in the community.

As research, these National datasets were used:
- SAT scores by state
- drug use by age

Dataset: SAT scores by state

- Good news! Math & Verbal average scores go up together.

- Usual range of Math & Verbal *average scores is 475 to 600*.

- States with a lower participation Rate have better average scores.

Dataset: drug use by age

This dataset covers 13 drugs across 17 age groups, and uses the following definitions:

- drug USE : % of those in an age group who used drug in the past 12 months

- drug FREQUENCY : median number of times a user in an age group used drug in the past 12 months
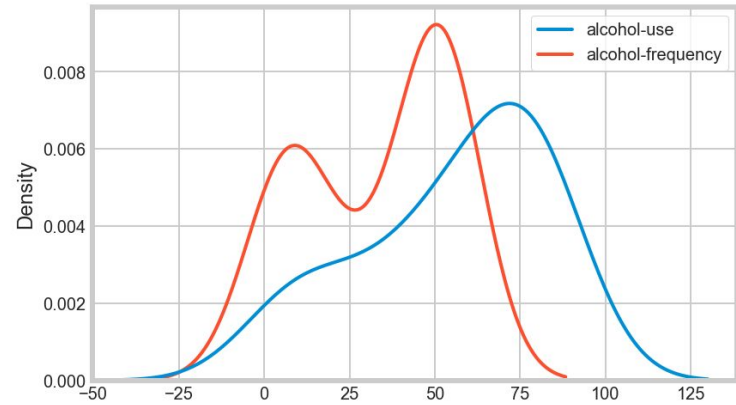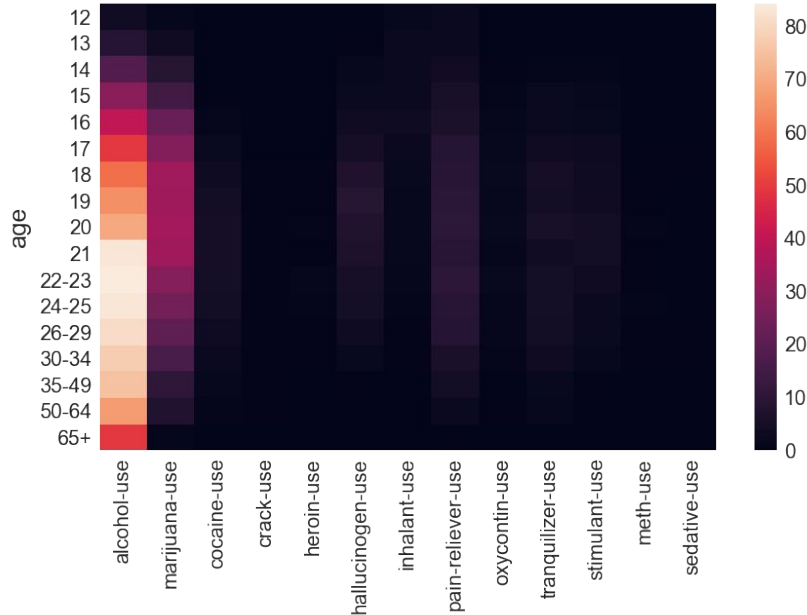
Perspective

Drugs which were used by **more than 10% of in all age groups 15-50**:
- Alcohol
- Marijuana

The only drug which was used by **more than 10% of in all age groups >14**:

- Alcohol

Dataset: drug use by age (cont)

- Alcohol is the most used drug across all age groups.
- People who use alcohol - use it frequently.

Options

Education
- Investing in any parts of the core skills will positively impact on the others

Drug abuse
- Alcohol is the drug used by more age groups than any other.