

Bridge To Calculus Group B2

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A dark blue diagonal gradient bar that starts from the bottom left corner and extends towards the top right corner, covering the lower half of the slide.

Motivating Question

What is the demographic breakdown of students taking AP Calculus in the Boston area and what are their results?

Dataset

What does our dataset look like?

- csv format
- 1 line for each combination of:
 - District
 - Year
 - Demographic Category
 - AP Test

Visualization Design

- Overall goal is to have a user-driven experience.
- User to be able to answer any questions they have about the dataset.
- User able to filter the data down to whatever level of detail they want.



Encodings

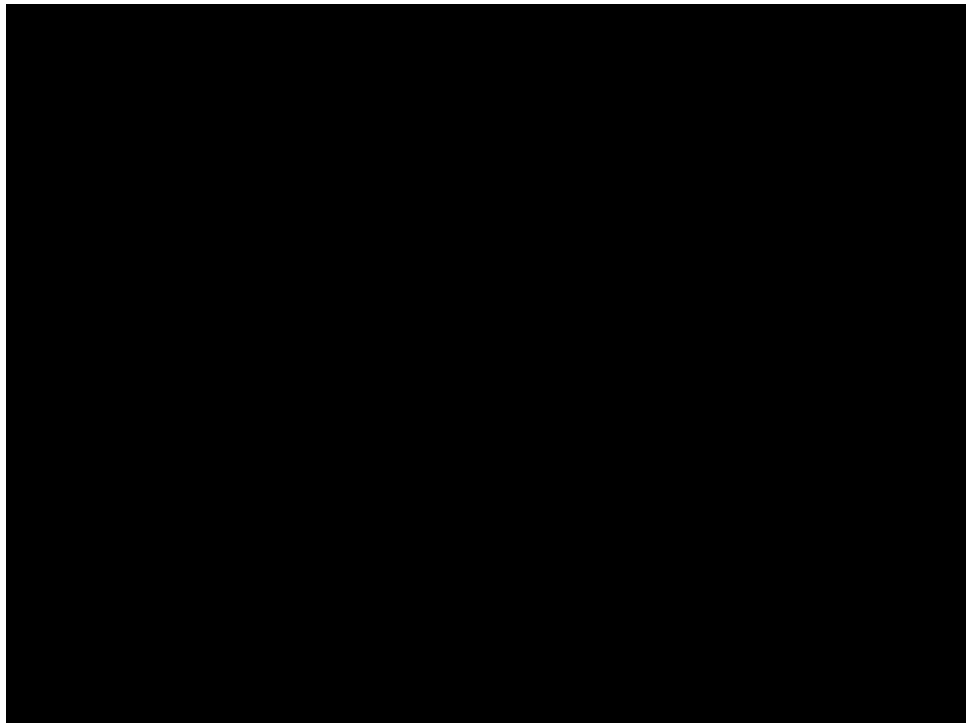
Base Map

- Show outline of each district in Massachusetts
- Easiest way to intuitively encode geospatial data

Colors on Map

- Shows percentage of students passing in the context of many filters
 - District
 - Demographic
 - AB vs. BC Calculus
 - Year of Score Data

Demo Video



Link to the project



Click

Q&A