A classroom of students who love statistics.

What are the odds?

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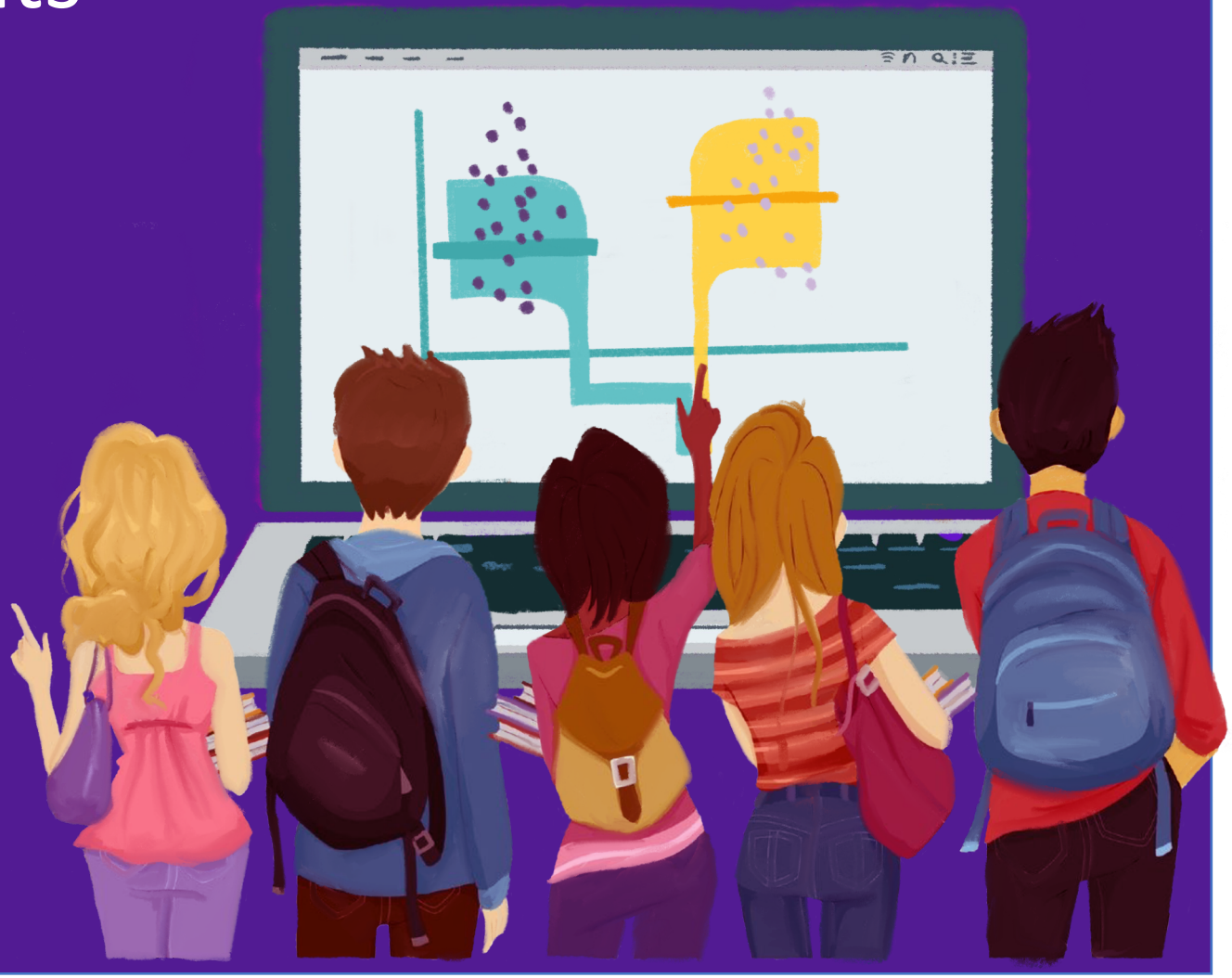
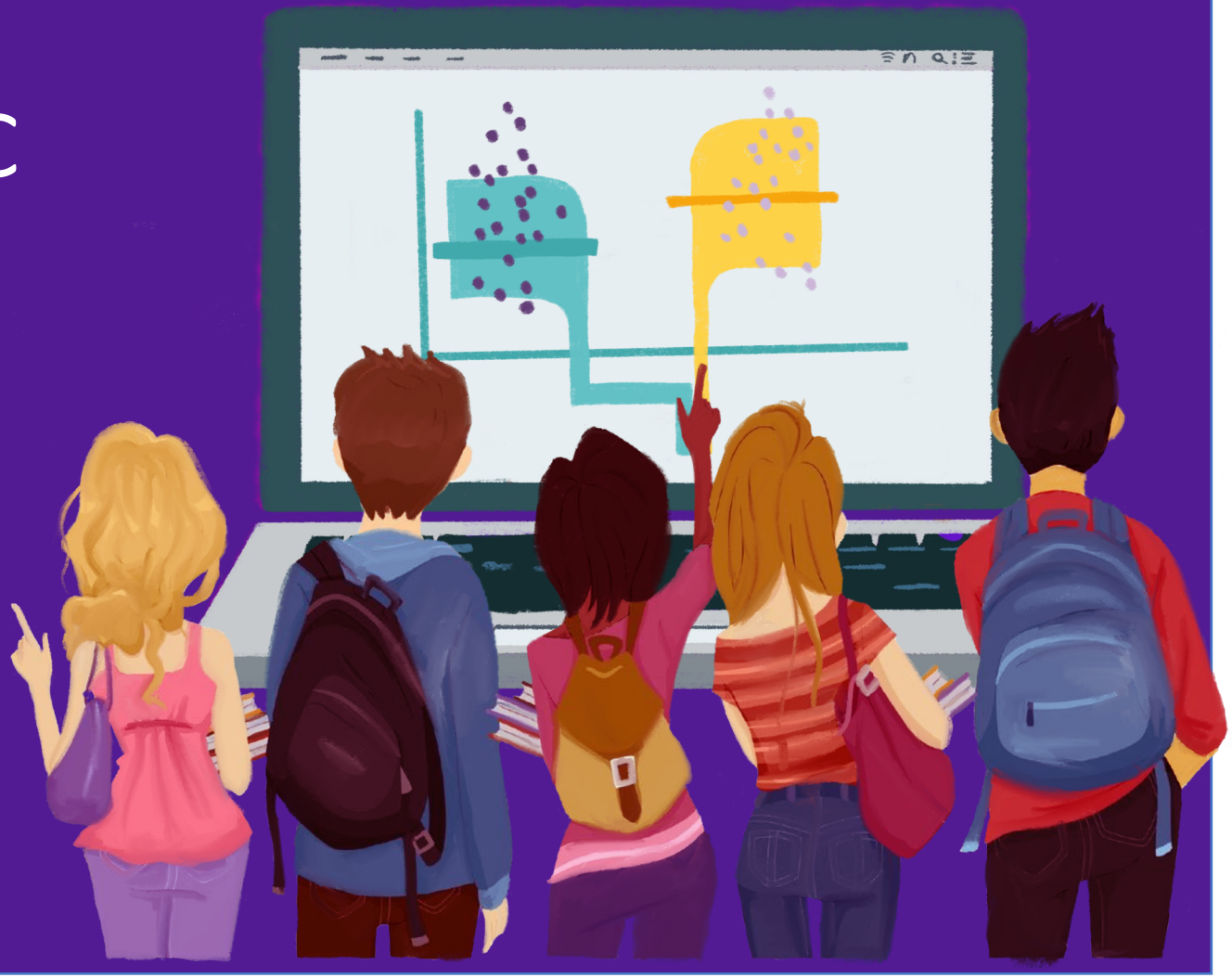
Data Classroom



DataClassroom is a web-app to teach data skills to the stats novice

DataClassroom will be available to all MNT-EC faculty and students through MNT-EC support.



Data Classroom

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Problem: Data and stats tools aren't built for novices

Data analysis is among the hottest skills in the marketplace

11.5 million new data science jobs expected by 2026 (US Bureau of Labor Statistics).

...but, few data tools are a designed for a stats novice.

Many instructors get by using Excel or Google Sheets, but are frustrated with these tools for use in science. Stats in the command line (i.e. R, Python, etc) can be a good alternative, but demand dedicated time for learning curve.

Data Classroom

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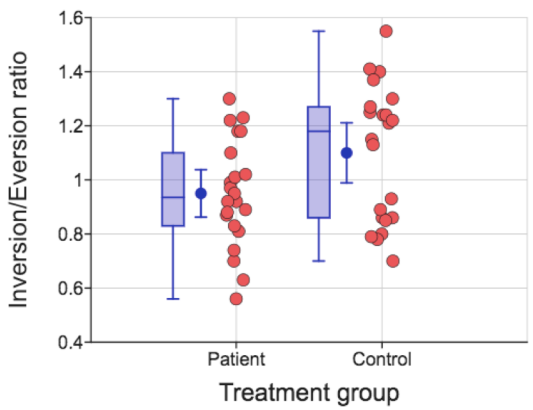
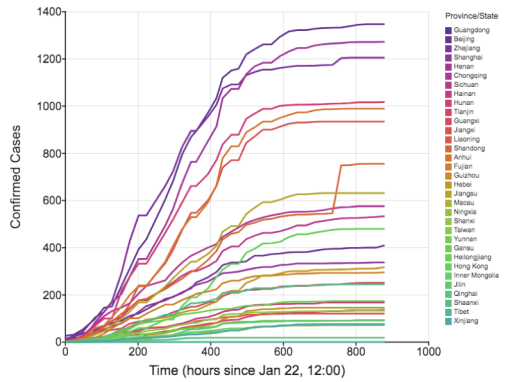
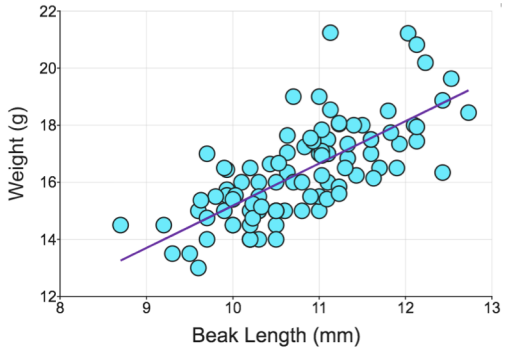
Solution: Data Classroom web application

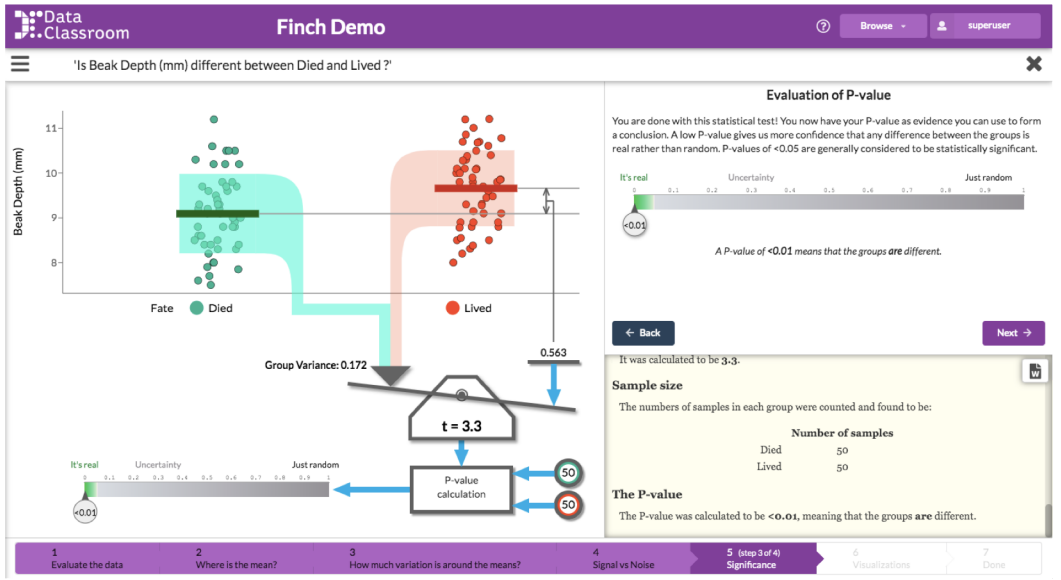
1) Creates beautiful graphs in seconds







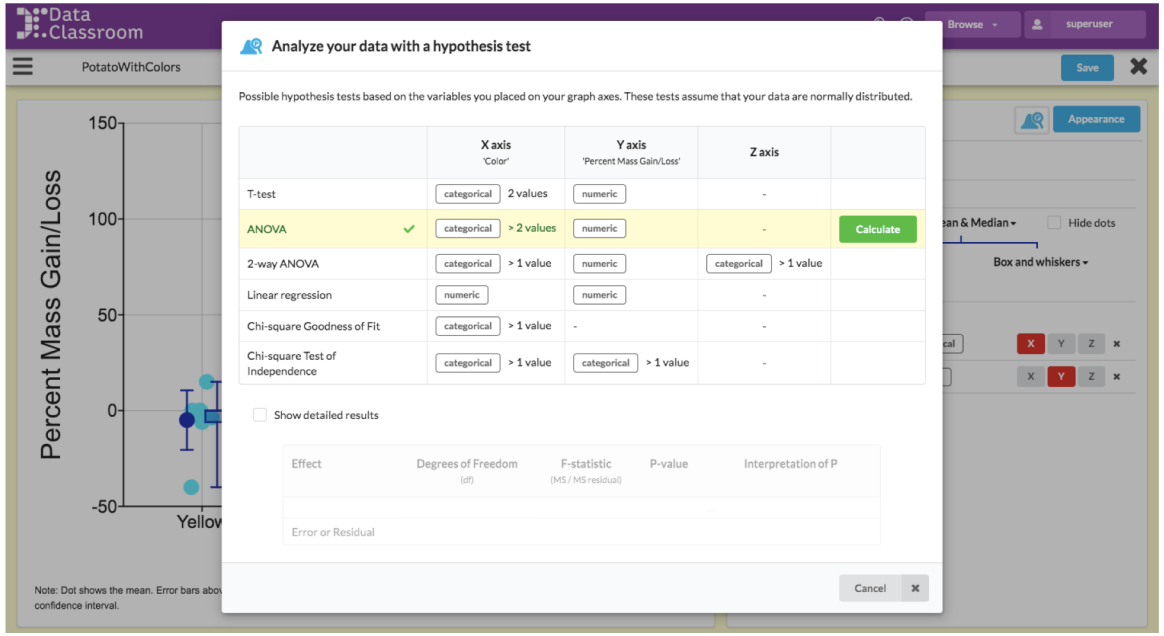
2) Explains the math of hypothesis testing with animation



See for yourself at DataClassroom.com

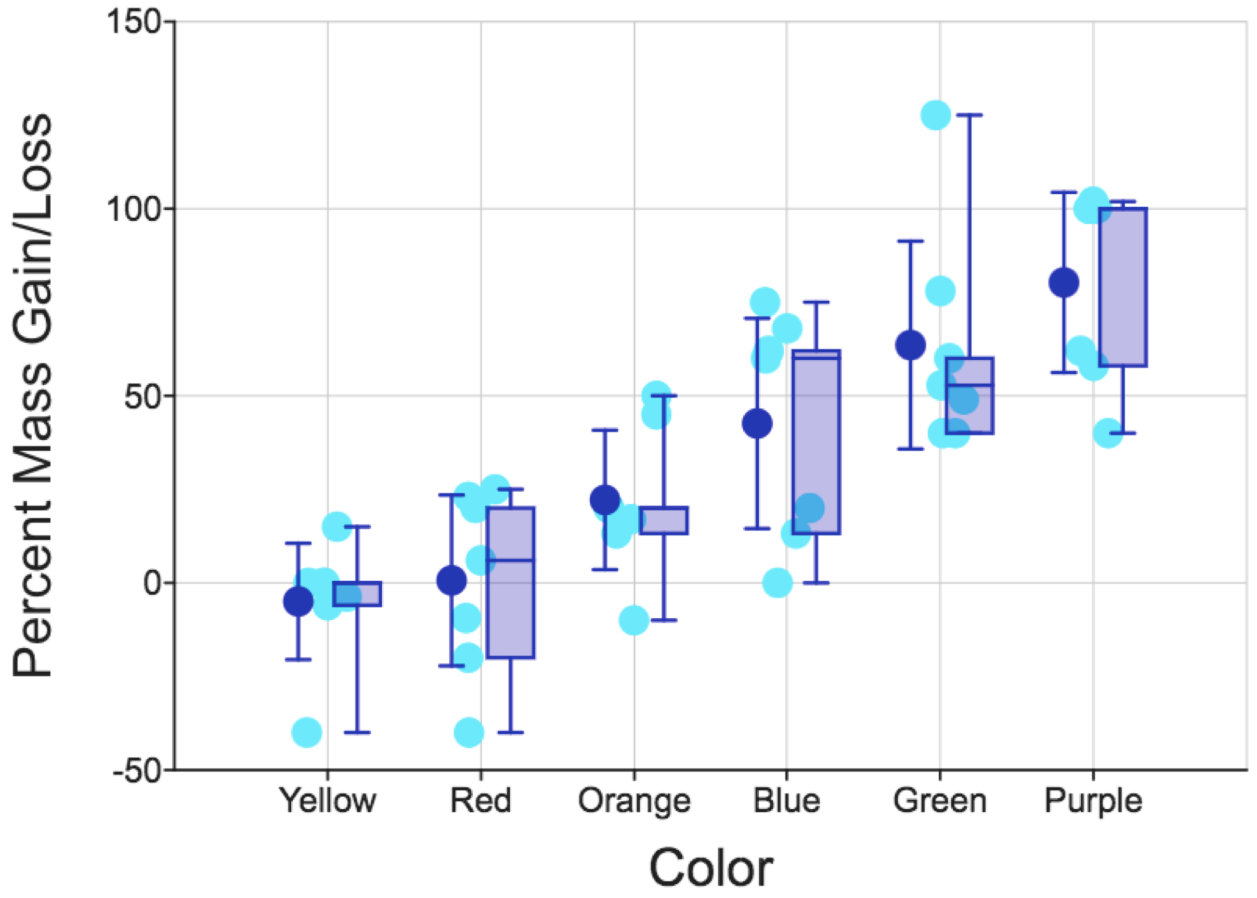
Solution: Data Classroom web application

3) Supports appropriate choice of statistical test for normal data



Data Classroom was designed with pedagogy in mind

- **Default plots show raw data** to emphasize the role of variation in interpretation
- **Layer multiple representations** of descriptive stats on the same plot
- **Attempt to reduce cognitive load** of creating graphs so more time can be spent on higher order interpretation
- **Built around principles of Tidy Data** to reinforce concept of a variable and prepare students to work in command line (R, etc.)



Note: Dot shows the mean. Error bars above and below show 95% confidence interval.

Note: Box and whiskers plot shows the median value (line), interquartile range (box), and full range of the data (whiskers above and below).

Contact:

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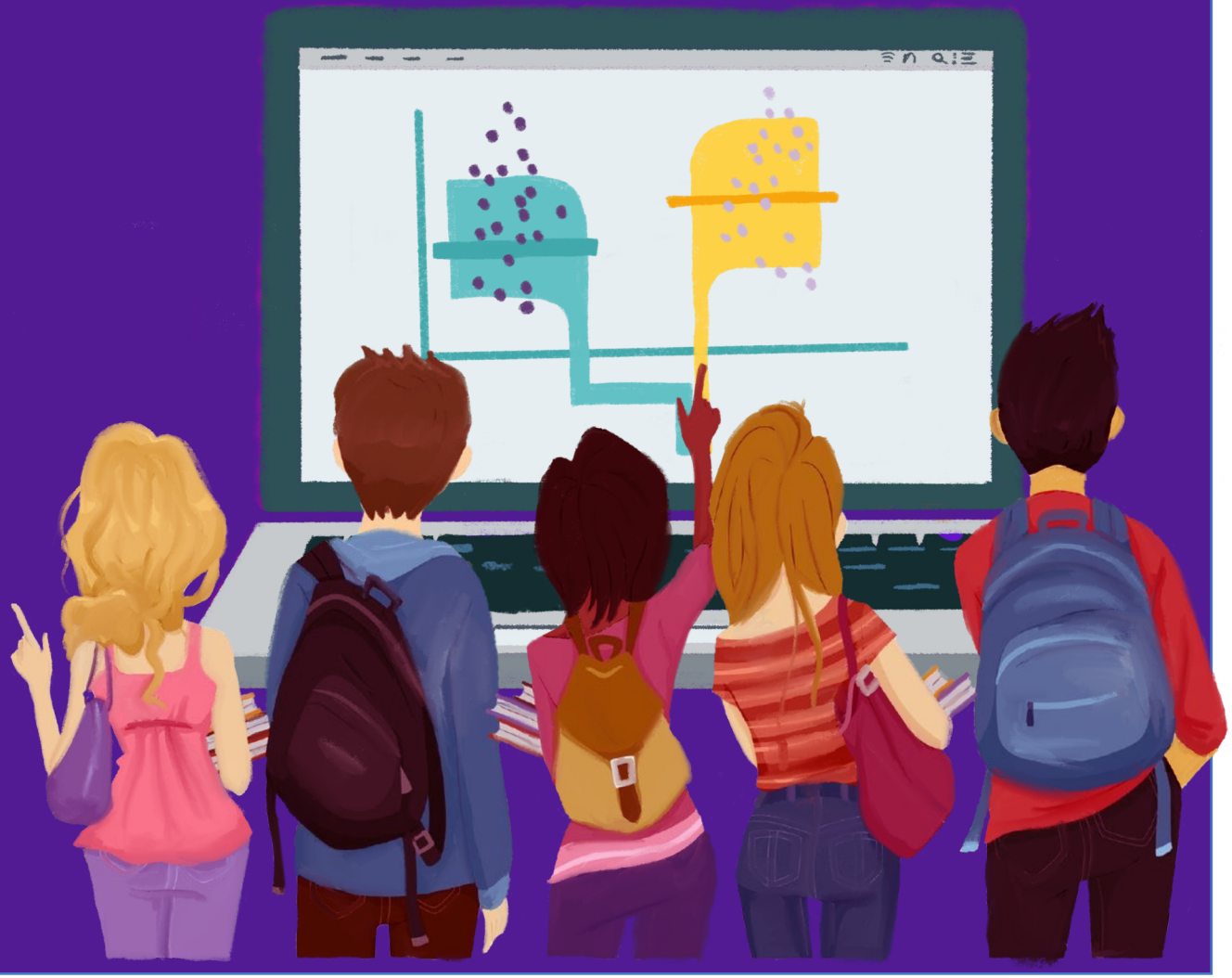

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