



ASSIGNMENT ANSWER

Data Analytics Mini Course
25th-29th August 2025

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The data that used here were collected from Kaggle as part of RevoU mini course's final task.

In case you prefer jump to the [results](#) on page: [4](#), [5](#), and [6](#)

There are 3 Variables to Highlight



parents' education background



test preparation course

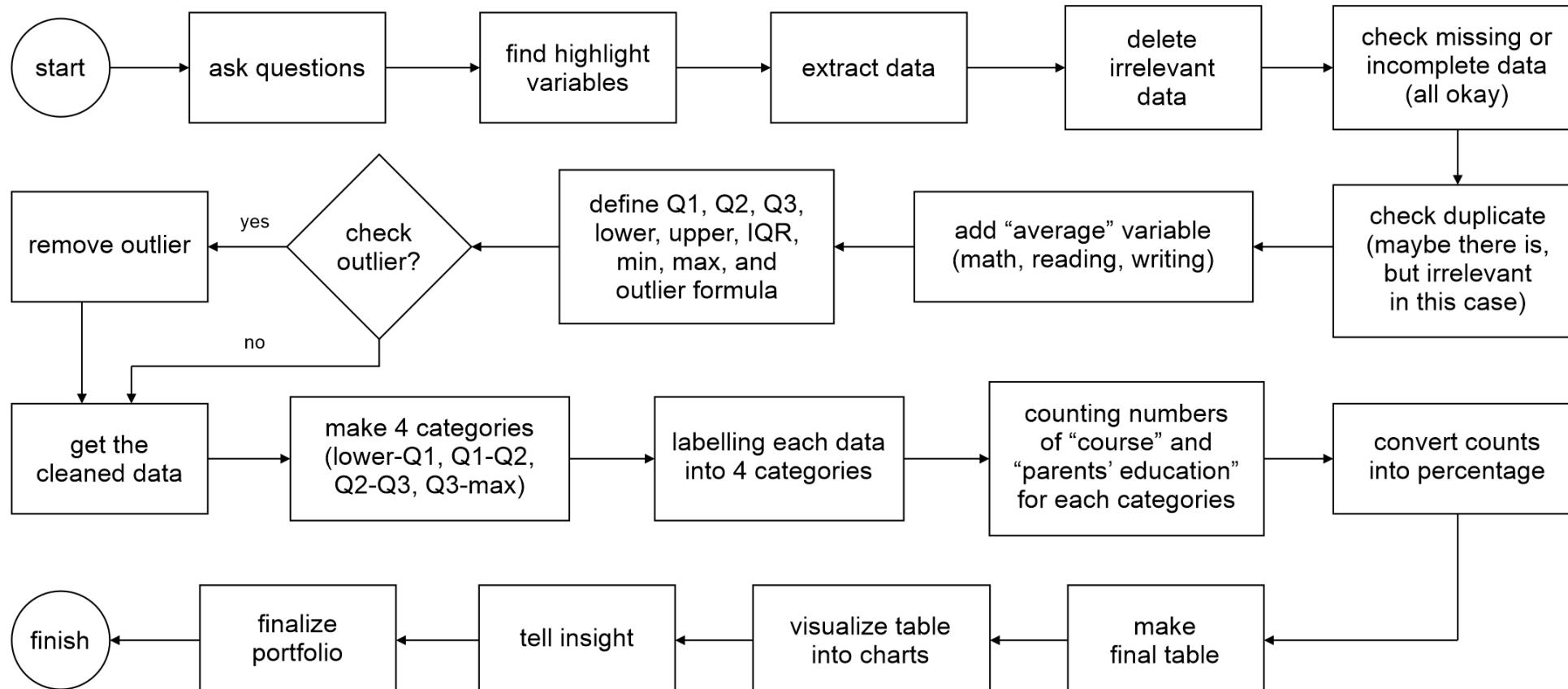


exams' score
(math, reading, writing)



Since there is no time-series on the data, so the possible visualization are **pie or bar chart** (for comparison).

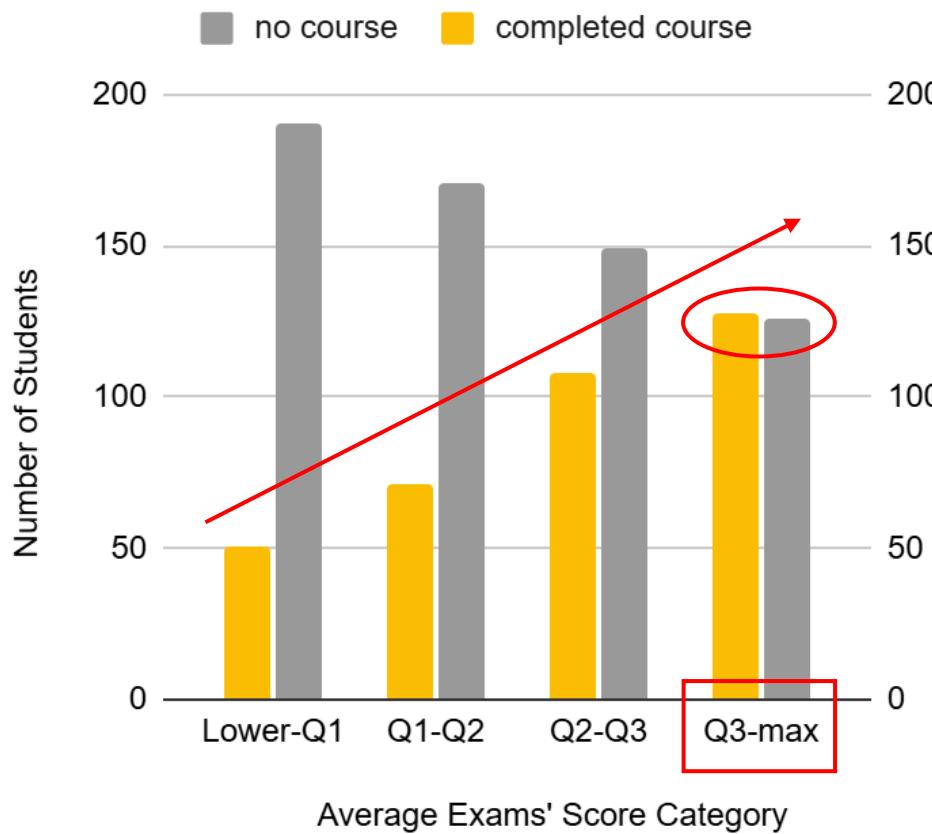
WORKFLOW



Notes: Data are processed fully using [spreadsheet](#).

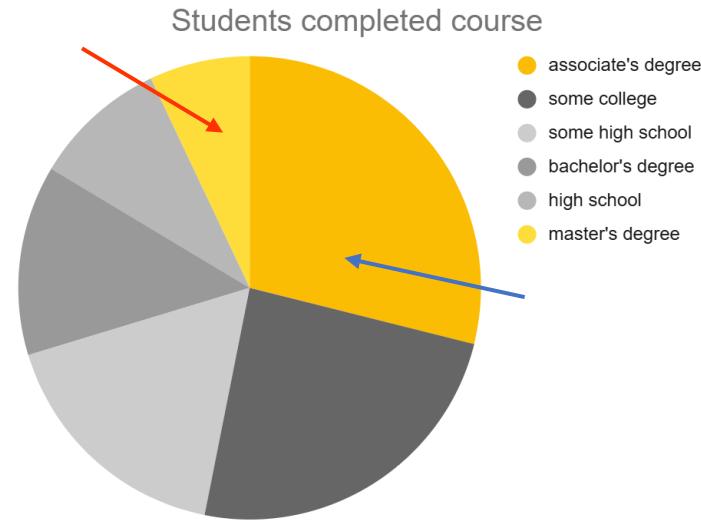
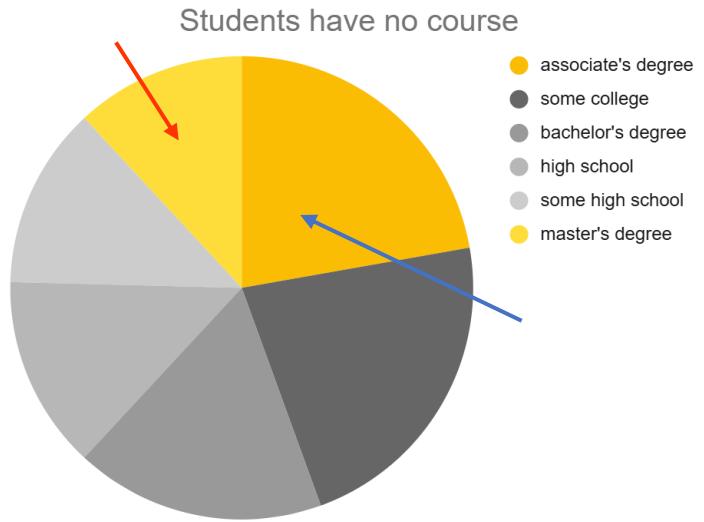
CHART 1

Test Preparation Course is Important



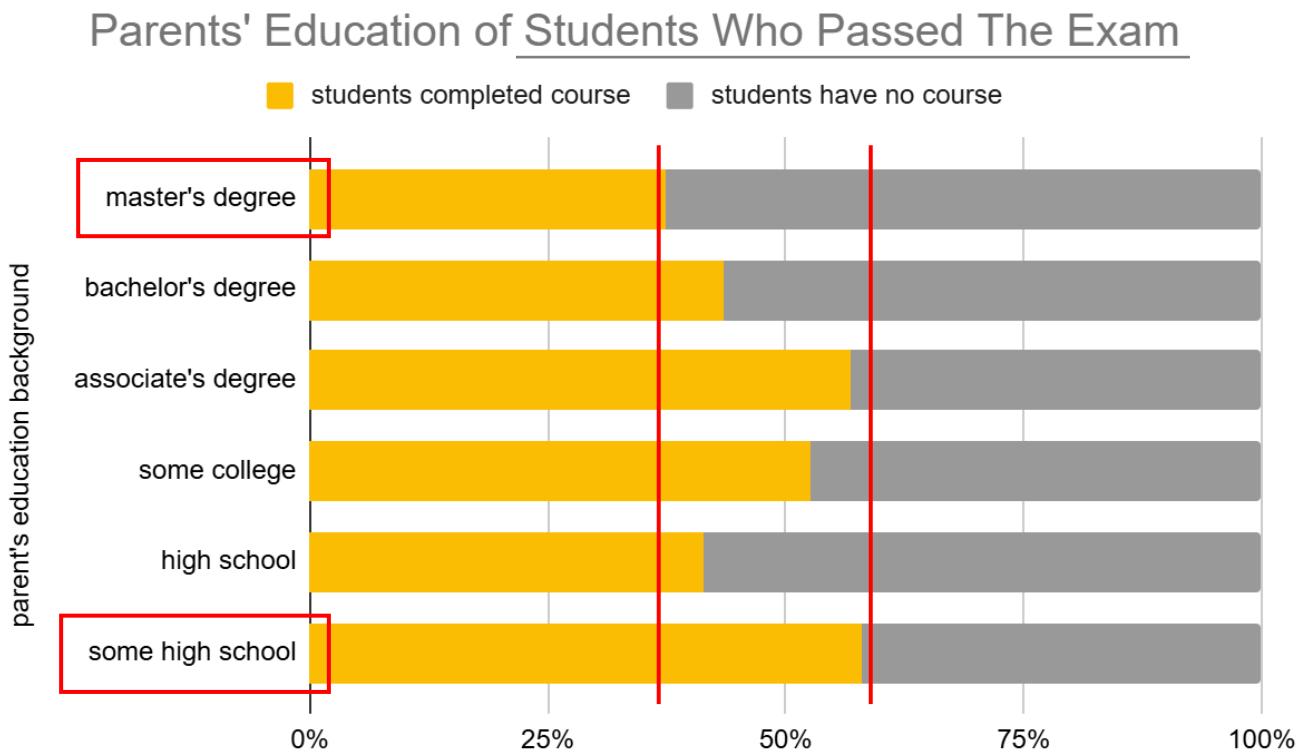
- According to the bar chart, as exams' score become higher, the number of students who completed preparation test course become larger.
- Only on the higher category (3rd quarter to maximum score), the number of students who completed course are higher than who do not.
- Let's say that "Q3-max" category means the students are **passed the exams** with "very good" predicate. Then we have what's on the next slide.

Parent's Education of Students Who Passed The Exam



- From the two pie charts, we can see that for both conditions whether the students completed or have no course, the ratio are quite similar, associate's degree parents lead the proportion, while master's degree parents remain the least.
- However, if we provide the data such as can be seen on the next slide, we can find something interesting.

CHART 3



- The data gives an information that master's degree level parents tend not to paid test preparation course for their children, which approximately only 37.5% do the opposite, the lowest among others.
- In contrast, there are around 57.9% (highest) parents who "some were high school degree", decided to invest on test preparation course in order to make sure their children have a chance to passed the exams.
- Thus, we can say that parents' education matters to their children's exams success as they facilitate their kids a pre-test course or not.

THANK YOU

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