Creating and Interpreting Graphs HW 3: Graduation Data

COCC is called many things in conversation: a "community college" (it is, by definition), a "junior college" (often used interchangeably with "community college"), and a "two-year school". We'll analyze that last phrase with some data!

Below, you'll see a bar graph about the class of 2019 at COCC. In particular, it shows you how many academic years it took them to earn their degree.



How many Academic Years did it take the class of 2019 to get their degrees?

1. (1 point) How many students took exactly 2 years to finish their degree?

- 2. (1 point) The <u>mode</u> in statistics is the single data point that has the greatest number of occurrences (that data point is called the "modal" data point). In this data set, what is the modal number of years it took COCC students to get their degree?
- 3. (1 point) You might have noticed that some students took less than 1 full year to get their degrees. Give one reason this might happen.
- 4. (1 point) How many total students got their degrees in 2019?
- 5. (1 point) (w) What percentage of 2019 degree earners took exactly 2 years to earn their degree?
- 6. (1 point) (w) What percentage of 2019 degree earners took more than 2 years to earn their degree?
- 7. (2 points) Considering your last two answers, do you think it's appropriate to call COCC a "two-year school"? Why or why not?
- 8. **(2 points)** One more quick note about this graph: there isn't a vertical axis, like there has been in many of the other bar and line graphs we've looked at. Do you think that matters to the readability and usefulness of a graph like this? Why or why not?