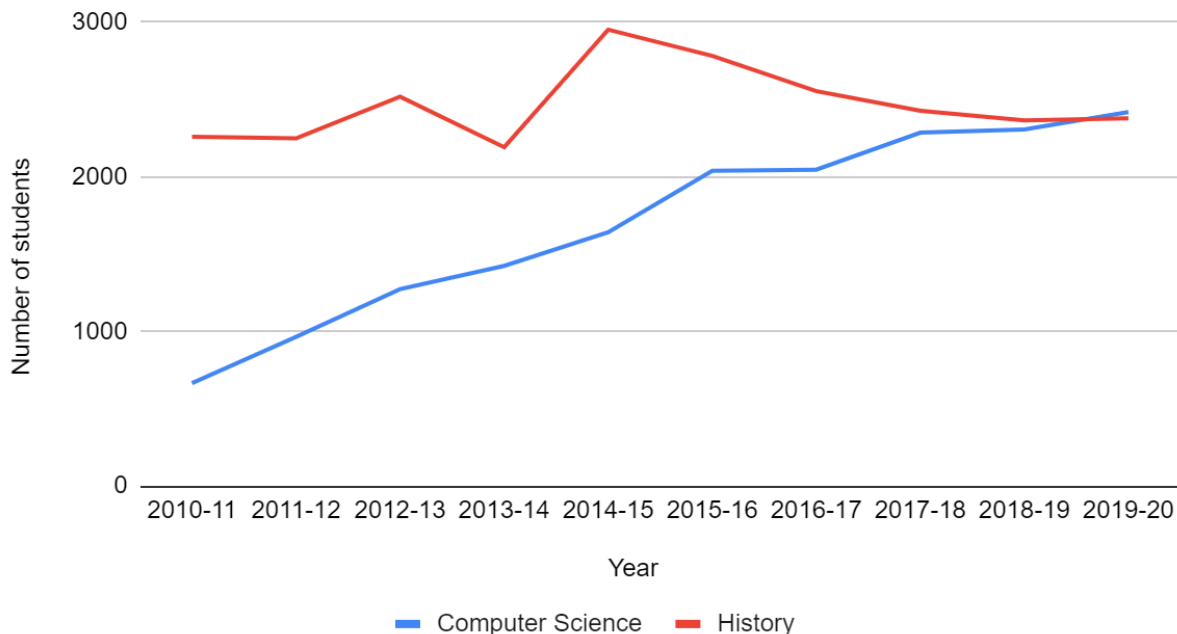How does Yale's traditional major of History stack up against the modern world's need for new computer scientists?

I. Present a visualization and the data selected to make it (you may need to cut and paste or reorganize the data in some way to make the visualization.)



Computer Science vs History Student Numbers

II. Explain how the numbers in the selected data were transformed into visual elements (e.g. positions, sizes, colors etc.)

The numbers were transformed by using a line graph. Computer science is blue and History is red. I do not think computer science or history has a specific color but, I just wanted to show that they were in contrast, as computer science is Stem and History is Red. The size is just supposed to help cover the upper and lower limits of the graph.
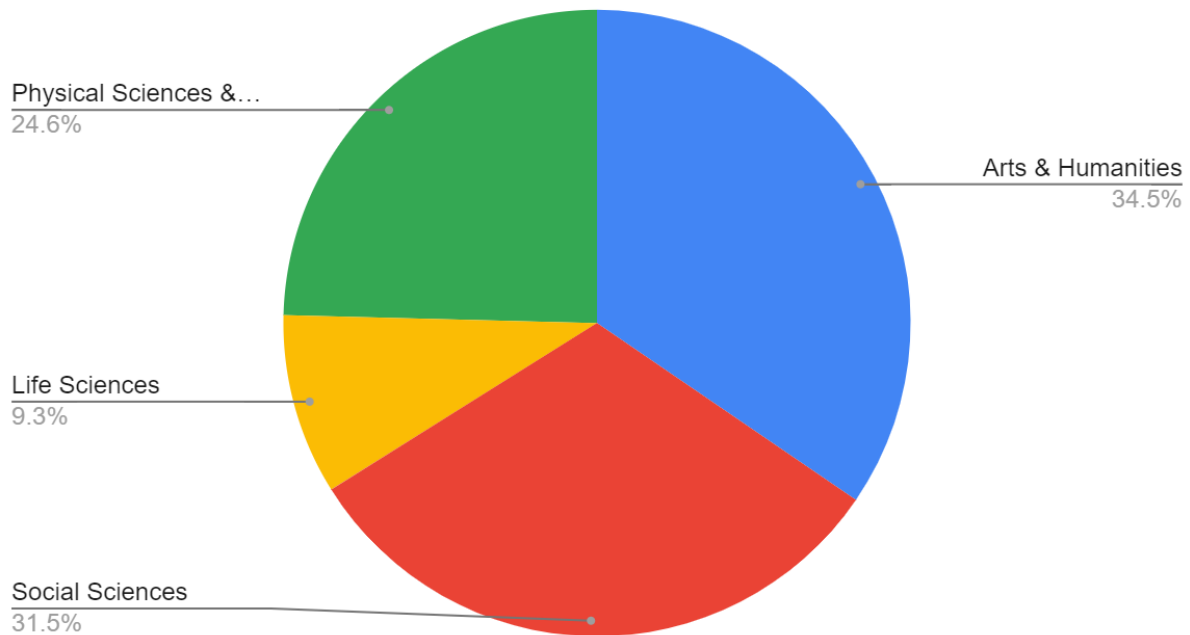
III. Why is the style of visualization (i.e. pie chart, bar chart, scatter plot etc.) best for answering this question?

The style of visualization is a line graph because it is best for showing a general trend over the years. We see from the chart that while History has become stagnant, computer science has exploded. This answers the question I had and shows that computer science has quickly become a dominant major at Yale.

What Divisions at Yale had the most students in 2019-2020

I. Present a visualization and the data selected to make it (you may need to cut and paste or reorganize the data in some way to make the visualization.)



Undergrad division course registrations 2019-2020

Physical Sciences &…
24.6%

Arts & Humanities
34.5%

Life Sciences
9.3%

Social Sciences
31.5%

II. Explain how the numbers in the selected data were transformed into visual elements (e.g. positions, sizes, colors etc.)

I tried to think of the best colors to match up with the departments, but as with the other graph there is no real color for each department. With that being said the chart is divided up by how many undergraduate students are taking classes in the 4 divisions at Yale College. The size reflects the percentage of total classes taken by undergrads in the 4 divisions.

III. Why is the style of visualization (i.e. pie chart, bar chart, scatter plot etc.) best for answering this question?

The Pie chart not only reveals that Arts & Humanities had the highest percentage of students, but it also shows that the social and physical sciences are extremely close and make up a good chunk of undergraduate classes. This pie chart reveals that Yale is much more multifaceted than just the arts & humanities.