

In this visualization I chose to describe trends and uncertainty through the frame of our previous IPEDs data. In addition to that I used additional IPEDs data to find more data in terms of time to visualize trends better. I chose data in relation to trends in white vs Hispanic enrollment. This involved an overarching visual of percent enrollment between the demographics over the years. We see this on the left with my dual line graph with forecasting at the end. Over the span of the years, we can see a steady increase in enrollment and population between both races. However, the disparity between numbers is great which is shown through the space in between. This time versus quantitative sum between these two groups lent itself to a forecast with 95% confidence level. My efforts to produce a legend for this published data source fell short as the fields were hard to define. That being said, I added annotations to guide the audience. This takes away from the beauty and legibility of the first graphic. On the two right hand side graphics, I included two scatter plots visualizing the same trend but with different demographics. This adds a layer of comparison and contrast as well. On the top I depict the relationship between tuition fees and percent enrollment based on the two respective ethnicities. On the top we can see a positive correlation between price and white enrollment. On the bottom we see the opposite correlation, as tuition and fees go up, we see less Hispanic enrollment. It is interesting because the correlations between private and public-school show about the same trends. Not only that but between the white and Hispanic groups, the Pearson's r value is rather similar. It is in trend and uncertainty however the correlations are completely opposite. These two graphs may come out a little busy due to the plethora of data points representing each school in the provided data set. The sectioning of public vs. private school with colors help make it more legible because this is a dimension that is linked with price. This visualization was sourced from good data, however in respect to Cairo's framework, it may have a little bias. It could be seen as biased because of the way I show the difference in enrollment trends between these two demographics; however, this is also pitted against many other factors that could affect enrollment, not solely tuition costs. While the colors look good together, a possible recolor of the left graph could be beneficial due to the possible confusion between variables. In conclusion I believe I put together a solid dashboard interpreting trends and utilizing the information given. I was quite happy to learn how to include and format my own data source this time around.