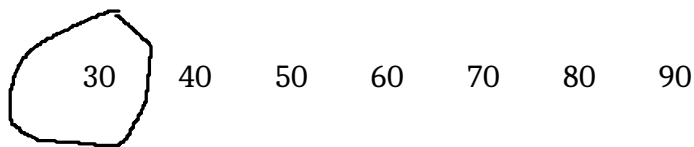


Lab 01: By the Numbers

CS 31 Discussion Worksheet

Welcome to your first CS 31 lab! Answer the following questions to the best of your ability. Complete the worksheet with one other partner, and please make sure that both of you agree on each answer before moving on.

1. Which of the following numbers is the closest to the average size of all PCC classes in the 2020-2021 academic year?



2. In the 2020-2021 academic year, close to half of all degrees at PCC were awarded to students in the 5 largest major programs. What are the top five (in decreasing order of number of degrees awarded)? How might you figure this out?

Per DataUSA.io (<https://datausa.io/profile/university/pasadena-city-college>): Liberal Arts & Sciences, Biological and Physical Sciences, General Business Administration & Management, Humanistic Studies, and General Psychology. This information was found by searching online for it.

3. “Life expectancy at birth” (LEB) measures roughly how many years a newborn baby is expected to live, and is a commonly used metric to quantify the health of a population. What two states would you expect to have the highest LEBs among all states in the US?

I expected Hawaii and New York to have the highest LEBs because people of lower economic status are priced out of residency there, and these states have incredibly high GDP per capita in addition to being primarily Democrat-run, meaning that the higher-taxed money is more likely to be spent on public services like better roads, education, ambulances, and healthcare in general.

According to the CDC (<https://www.cdc.gov/nchs/data/nvsr/nvsr71/nvsr71-02.pdf>), Hawaii and Washington state have the highest LEBs.

4. Picking from the list of numbers below, fill in the numbers which you expect to be the closest to the LEB of the United States as well as the world.

68 70 72 74 76 78

United States 76 World 72