

Rashmi, the Data Wrangler reporting.

My team leader, Jovany Gonzalez and team member, Jorge Rafael Medina have been amazing partners.

Working on this project required not what we learned in class and look at resources, but also good teamwork. In the beginning, we were a bit slow to start. And although we had a lot of ideas about what to do, we did not start working together till the last two weeks before the project was due. However, instead of just stressing out, we banded together and worked every day, talking about what we wanted to achieve. All along the way we talked about what we found that was interesting and useful. Working together in the lab and asking Eugene about what we were missing and where we were making mistakes was very helpful.

We chose to use Avocados as our dataset, which we got from Kaggle (derived from the Hass Avocado Board's website). Interestingly, it was a large dataset with little to clean up, but plenty to manipulate. We created several DataFrames individually, which we should have done together to save time later. However, this allowed us to later use each other's DataFrames to create our plots for visualizations. We got carried away with making plots and realized that because we didn't have sufficient knowledge and practice of the statistical part of the project that getting the p-value, z-test, Chi-square, and ANOVA, etc. were daunting to contemplate as time passed. This made us even more determined to learn about them. It was extremely difficult. We are still not sure whether our conclusions are correct. We definitely didn't use the jargon because that too was unfamiliar.

We found out along the way that Californians, especially Angelenos love avocados more than any other region or city in the U.S. Small avocados and small bags sold more and were lower in price than all other sizes and bags. Organic avocados are priced very high compared to conventional avocados. We also found that the sales of avocados have steadily increased through the years, despite weak harvests as in 2017. In fact, although we did not do a comparison for 2020, news reports have shown no decrease in sales.

All in all, this class has been fun and working on the project has been intense and addictive. Thank you , Dr. Zaki!