

# Final Grade Reflection

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**Learning Targets:** I have demonstrated proficiency in **WD-1:** importing data from variety of formats. In Practice Activity 4 Question 1, I imported data from an xlsx sheet, and in Lab 4 “Reading the Data into R”, I imported data from a csv file. In Lab 4 Question 3, I have demonstrated proficiency in **WD-2:** selecting necessary columns from a dataset, **WD-3:** filtering rows from a data frame for a variety of datatypes, and **DVS-4:** calculating numerical summaries of variables. I used a semi-join on a dataset I created containing the regions in order focus on the region data in the avocado dataset. I also used a filter on a integer and character variable and used `select()` to select the two variables the question was asking about, region and small HASS avocados. I used `summarize` to calculate the highest small HASS avocado sale with `max()`, and through Lab 4 Question 5 and 6, I was able to use `summarize` to find the sum and mean of the total volume of avocados. In Lab 4 Question 7, I demonstrated proficiency in **WD-4:** modifying existing variables and creating new variables in a dataframe for a variety of data types and in **R-3:** writing robust programs that are resistant to changes in input.

## Continued Learning

**Extend Your Thinking:** I have demonstrated a commitment to continued learning by trying my best in the Lab, Challenge, Preview Activity, and Practice Activity. Through these assignments, I get to extend my thinking beyond what I learned in class by incorporating my creativity on aspects of the Challenge. For example, I wanted to attempt all 3 levels in Challenge 2 because they all taught me something new and I wanted to learn more about colors in plots since I find that very fascinating. I was able to learn more about hex codes and select my own color palette for that Challenge. Additionally, I show my ability to revise my thinking through submitting revisions on labs and challenges and through revising code that receives an S but has comments. For example, in my Lab 1 and Lab 2 I received comments about removing messages and changing the axis label and did not have to submit a revision for those sections. However, I found it important to improve those parts of my lab, and learned how to remove the messages and write a clearer axis label. This was helpful and important, as the next lab required me to incorporate those improvements, and I was able to prevent a repeat of my mistakes. I also

I have grown as a team member by working together with my team to solve each question in the labs. I have listened to my teammates when they have questions, and try my best to support and help them find the answer. Additionally, I have grown as a team member by providing feedback on the tidiness and efficiency of a classmate's code, making sure to provide praise on something that was done well and. I have contributed to creating a respectful classroom learning environment by listening and not judging other students' questions, as they can be clearing up confusions me and other students may have. I have contributed to creating a respectful classroom learning environment by being kind to my classmates and not causing disruptions during class. At the start of the course, I wanted to be open-minded when learning the language R as coding can be difficult, and it is important to be patient and learn multiple different ways to solve problems. I believe that I am successful in staying open-minded and patient while I have been learning R and participating in the class, as I take the time to learn the new skills from Preview Activities. I also ask questions to the professor, learning assistant, and other students to make sure I understand the topics. As the course goes on, I believe I will continue to be able to accomplish my goals.

I believe I have earned an A so far in STAT 331. I have demonstrated proficiency for the majority of the learning targets that we have learned so far. I have revised code from my labs and challenges when the opportunity was given. Additionally when I did not have to submit a revision, I still improved my code from my peer reviews and comments from Dr. Theobold. My revisions have helped me not make the same mistake in the next labs and challenges. I have extended my thinking to all the Challenge assignments so far, and have taken risks by completing tasks that I did not know would be correct. I communicate with my team and Dr. Theobold, asking questions when there are confusions. I have been present, respectful, prepared for class and completed most of the assignments. Lastly, I have given respectful peer code reviews and put my best effort to provide praise and suggestions for improvements.