

SIT112 - TASK COMPLETION REPORT

Important note 1: Please **do not** include Python code in this report. It would be acceptable though to make brief references to function names or different parts of the task's notebook when needed.

Important note 2: Please **do not** leave any response field empty; if not applicable, enter NA.

1. TASK SUMMARY

TASK NAME (ABBREVIATION)	YOUR NAME (STUDENT ID)	YOUR DEAKIN EMAIL
Pass Task p6	jasveena (224001588)	S224001588@deakin.edu.au

2. TASK DESCRIPTION

ITEM	RESPONSE
What was the objective(s) of the task?	The objective of this task was to analyze the given avocado data by reading the given .csv file into a data frame.
What kind of data did you work with?	The task involved analyzing the given .csv file which contained cells which hold the information about the data like the average price, total volume, small bag count, large and extra-large bags count, the year and the regions. Basically, it is a historical data on avocado prices and sales volume in multiple US markets.
Briefly describe the data science task you worked on.	The data was cleaned and made a little straight forward or simplified. .

3. TECHNICAL SKILLS

ITEM	RESPONSE
What technical skills did you use during the task?	We used several technical skills during the task, including data cleaning,, removing the overlapping data, changing column names , adding columns, altering the data as per directed and displaying the new altered data and also grouping and unstacking data.
list any challenges or obstacles you faced while working on the task and how you overcame them.	One challenge we faced was dealing with some unnecessary which are unnamed and some are just coded which does not really provide any relevant information about what they represent. And the overlapping of some regions

4. DATA CLEANING AND PREPARATION (ENTER NA WHEN NOT APPLICABLE)

ITEM	RESPONSE
What steps did you take to clean and prepare the data?	We dropped any rows which were unclear about the information such as the unnamed columns and some columns which show codes and are not needed for this task. Also there is some overlapping in the dataset which was supposed to be reviewed carefully.
Did you encounter any issues with the data during this process? How did you address these issues with the data?	We encountered some overlapping regions of the place mentioned which is US , and some of the rows which were providing irrelevant information. Dropping some unnecessary columns and rows.

5. DATA ANALYSIS (ENTER NA WHEN NOT APPLICABLE)

ITEM	RESPONSE
How did you analyze the data?	We analyzed the data by changing the column names, adding columns, altering the data and displaying it as directed, grouped summed and unstacked the data as well.
Did you use any visualization techniques to better understand the data?	N/A
What insights did you gain from this analysis?	Not much but I think this data shows a fluctuation of prices of avocado over the years which is a quite practical thing.

6. BASIC REQUIREMENTS FOR THE TASK

ITEM	RESPONSE (YES/NO)
Are you confident to execute the Python code in this task and explain the output?	Yes
Are you confident to explain what each line of code does and how it contributes to the solution(s)?	Yes
Are you confident to rewrite or modify the code after completing this task? <ul style="list-style-type: none"> For pass tasks: with guidance, no time limit. For credit tasks: with limited guidance, no time limit. For distinction tasks: independently, no time limit. For high distinction tasks: independently, in a limited time. 	Yes

7. CODE ATTACHMENT (NOT APPLICABLE TO THE PASS TASKS – ENTER NA)

ITEM	RESPONSE (YES/NO/NA)
Have you attached the notebook file that contains your solutions (Python code) for this task?	NA
Have you executed all the cells in your attached notebook and ensured there is no error? <i>Please note your submission will not be flagged as complete if your attached notebook contains any error.</i>	NA

8. VIDEO ATTACHMENT (NOT APPLICABLE TO THE PASS/CREDIT TASKS: NA)

ITEM	RESPONSE (THE VIDEO LINK/NA)
Provide the link to the video recording that presents your completed task. This is only for Distinction and High Distinction tasks. Enter NA for Pass/Credit tasks.	NA

9. ACKNOWLEDGEMENT

BY SUBMITTING THIS REPORT, I ACKNOWLEDGE THAT:

- MY RESPONSES ARE ACCURATE AND ARE MY OWN WORDS.
- I HAVE MET ALL THE BASIC REQUIREMENTS OF THE TASK (LISTED IN SECTION 6).
- I HAVE READ AND FULLY UNDERSTOOD THE ASSESSMENT GUIDELINE OF THE UNIT.
- THIS REPORT DOES NOT EXCEED 3 PAGES.
- THIS REPORT DOES NOT INCLUDE CODE EXCEPT BRIEF REFERENCES TO FUNCTION NAMES OR DIFFERENT PARTS OF THE TASK'S NOTEBOOK.
- MY SUBMISSION DOES NOT CONTAIN ANY CREDENTIALS (E.G., PASSWORD, API KEY, ETC) OR PERSONAL INFORMATION.

IMPORTANT NOTE 3: IF YOU HAVE ANSWERED NO TO ANY OF THE QUESTIONS IN SECTIONS 6, PLEASE RECONSIDER SUBMITTING YOUR REPORT; ASK HELP FROM YOUR TUTOR.

ADD YOUR NAME AND SIGNATURE HERE: JASVEENA