Output 8 Chapter 6

NAME: Sagayoc, Armando B. Jr
CLASS SCHEDULE: MTh 1:30-3:00pm DATE: April 28, 2025

A. Determine what appropriate statistical treatment used in the data analysis.
B. Use the scoring scale in interpreting the data analysis presented in Table 1.
C. Write the Presentation, Analysis, Interpretation, and Implication based on the data analysis result.

Research Question:

What is the level of approval of CAUGHT application?

Scoring Scale	Procedure Score Range	Qualitative Description	Qualifying Statement
5	4.21-5.00	Strongly Agree	Participants show a very high approval on CAUGHT usability, functionality and security.
4	3.41-4.20	Agree	Participants show a high approval on CAUGHT usability, functionality and security.
3	2.61-3.40	Moderately Agree	Participants show a moderate approval on CAUGHT usability, functionality and security.
2	1.81-2.60	Disagree	Participants shows disapproval on CAUGHT usability, functionality and security.
1	1.00-1.80	Strongly Disagree	Participants show a very high disapproval on CAUGHT usability, functionality and security.

Table 1.

Assessment of Participants on the System Developed

FUNCTIONALITY, RELIABILITY AND SECURITY	Mean	SD	Qualitative Description	Qualifying Statement
The design is consistent.	4.90	0.31	Strongly Agree	Very High Approval
Positive changes such as: faster transactions in deploying this Information System.	4.80	0.41	Strongly Agree	Very High Approval
Data Security.	4.80	0.41	Strongly Agree	Very High Approval
Reports can be printed.	4.80	0.41	Strongly Agree	Very High Approval
"Login" "Logout" features a secured entry and exit point of the system.	4.80	0.41	Strongly Agree	Very High Approval
Features that need Administrator Permission.	4.80	0.41	Strongly Agree	Very High Approval
Online data retrieval can easily be retrieved.	4.75	0.72	Strongly Agree	Very High Approval
The UI is designed to fit the functionalities.	4.70	0.92	Strongly Agree	Very High Approval
Automatic impounding feature avoids	4.70	0.57	Strongly Agree	Very High Approval
The system is easy to navigate.	4.70	0.57	Strongly Agree	Very High Approval
Restrictions for non-administrator accounts.	4.70	0.92	Strongly Agree	Very High Approval
Printing of receipts can be done easily.	4.65	0.75	Strongly Agree	Very High Approval
Separate record of the violators/drivers is an advantage for monitoring.	4.60	0.94	Strongly Agree	Very High Approval
Adding/Deleting Users are easily done.	4.60	0.75	Strongly Agree	Very High Approval
Adding violations can simply be done.	4.60	0.94	Strongly Agree	Very High Approval
Changing of penalty amount are easily done.	4.55	0.83	Strongly Agree	Very High Approval
The colors used are esthetically pleasing.	4.55	0.60	Strongly Agree	Very High Approval
Reports can be viewed in Realtime.	4.55	0.94	Strongly Agree	Very High Approval

Adding drivers can simply be done.	4.45	1.23	Strongly Agree	Very High Approval
Overall	4.68	0.69	Strongly Agree	Very High Approval

Note:

Scale	Score Range	Qualitative Description	Qualifying Statement
5	4.21-5.00	Strongly Agree	Participants show a very high approval on CAUGHT usability, functionality and security.
4	3.41-4.20	Agree	Participants show a high approval on CAUGHT usability, functionality and security.
3	2.61-3.40	Moderately Agree	Participants show a moderate approval on CAUGHT usability, functionality and security.
2	1.81-2.60	Disagree	Participants shows disapproval on CAUGHT usability, functionality and security.
1	1.00-1.80	Strongly Disagree	Participants show a very high disapproval on CAUGHT usability, functionality and security.

Please write your answer on the space provided.

A. Statistical Treatment:

The statistical treatment used in the data analysis is Descriptive Statistics, specifically Mean and Standard Deviation. These were used to determine the central tendency and variability of participants' responses regarding the approval of the CAUGHT application.

B. Presentation:

Table 1 presents the assessment of the participants on the functionality, reliability, and security of the CAUGHT application. Each feature of the system was evaluated, and procedure all times fall within the score range of 4.21-5.00 which is interpreted as "Strongly Agree" with a qualifying statement of "Very High Approval".

C. Analysis:

The mean scores of the participants' responses ranged from 4.45 to 4.90, all falling within the "Strongly Agree" category. The overall mean was 4.68 with a standard deviation of 0.69. This indicates that the participants consistently rated the system features very highly. The low standard deviation further suggests that there was minimal variation in the participants' responses, demonstrating a strong consensus regarding the effectiveness of usability, and security of the CAUGHT application.

D. Interpretation:

The findings imply that the participants have a very high level of approval for the CAUGHT application. They strongly agree that the system's functionality, reliability, and security features are effective, user-friendly, and beneficial. The high mean scores across all indicators highlight that the CAUGHT application successfully meets user expectations.

E. Implication:

The very high approval rating from the participants suggests that the CAUGHT application is ready for implementation and widespread use. The system's strong performance in functionality, reliability, and security could lead to faster and more secure transactions, enhanced user experience, and improved monitoring capabilities. Future development could focus on maintaining these standards while continuously seeking user feedback for future enhancements.