Read the research article: "Olfactory and gustatory dysfunctions in 100 patients hospitalized for COVID-19: sex differences and recovery time in real-life."

The mean age of patients for this research study is

, and the standard deviation of the

patient's ages is 65 ± 15

The variance of the patient's ages is 225.

PSET 1: Statistics Thinking Exercise At

Started: Oct 7 at 10:09pm

Quiz Instructions Please try not to use software to help with this assignment (you can use a

calculator to help with basic addition, subtraction, multiplication, and division calculations but don't use any statistics functions). This assignment is intended for you to perform the calculations manually by applying the statistical formulas. Use 2 decimal places for all numerical answers. Choose the best answer choice. You have three attempts, with the highest score kept.

Use this research article for the next three questions: Student perspectives on behaviors that constitute <u>cheating.pdf</u> <u>↓</u>

Question 1

25 pts

Read the research article: "Student perspectives on

behaviors that constitute cheating."

Fill in your answer to the following items: Who?

What? When?

Where? Why?

How?

Edit View Insert Format Tools Table 12pt ∨ Paragraph ∨ : Who- the individuals who were surveyed? Students This article reports the results of a research study that replicated the student survey.

What is the sample size for this research study? 135

Read the research article: "Student perspectives on behaviors that constitute cheating." What are the limitations of this research study? Select all limitations identified by the researchers.

Only one univerity is included in the study

Professors are not included in the survey

☐ No qualitative data were collected

behaviors that constitute cheating."

The variance of the patient's ages is

survey questions

survey questions?

Question 7

 \bigcirc b)

Question 8

Population

Question 10

Quantitative

Question 11

Question 12

numbers?

6.25 pts

Question 3

of cheating Students surveyed did not have the experience such as writing a college level term paper or taken a final exam at the instittion

Students are too young and may not know the consequence

Question 4 6.25 pts

Read the research article: "Student perspectives on

(hint: our research study is independent of the Student perspectives on behaviors that constitute cheating study)

What is the Variance of the "yes" responses for all 21

Let's say that we want to conduct a research study on the

research questions used for this research study. We want

to calculate the variance of the "yes" responses for all 21

1853.21 patient's ages is

Read the research article: "Olfactory and gustatory dysfunctions in 100 patients hospitalized for COVID-19: sex differences and recovery time in real-life."

Which formula was used to calculate the standard

deviation of the patient's ages?

6.25 pts

6.25 pts

6.25 pts

6.25 pts

Ø a)

Sample

The salary of all software engineers in Monterrey for a

Monterrey software engineer salary research study.

Qualitative

Why is it important to use random sampling?

Mitigate risk of using a small sample size

A list of the ice cream flavors sold on the first of June at

Harvard COOP between 9 am to 10 am.

 Increase standard deviation of the sample Increase the generalizability of the results

If the standard deviation of a

that every value in the sample

sample is zero, this means 6.25 pts

is the exact same.

of the numbers is 21. The sample standard deviation

You collected a sample consisting of 75 numbers, and one

turns out to be zero. What is the average of the 74 other

Question 13 6.25 pts Joe's Pizza's marketing department surveyed 40 customers randomly selected from a contact database. (26) of the 40 customers surveyed placed an order of one

pizzas within a week, and 6 of the 40 did not order

anything within a week.

pizza within a week. 8 of the 40 placed an order of three

What is the mode of the <u>number of pizzas ordered</u> in one

order within a week?

Who- the individuals who were surveyed? Students	
143 first-year students but only 135 provided consent for their data to be used on research.	this
What? We see what is being measured?	
Each item on the survey has three options to choose from, yes, no, depends with an opporto leave a comment.	tunity
When?	
The survey was conducted in 2009 with changes in the questionnaire from a previous surv 2002.	vey in
Where? Where was the research conducted?	
Experience at a large public research university in the Midwestern region of the U	U.S.
Why? What is the purpose of survey?	
The purpose of this study is to reflect how technology has become infused in tead and the assessment of learning.	ching (in case you can't see the answer key after you take the quiz)
The other purpose of this study is to give some recommendations for preventing academic Q1: The combeen added. dishonesty.	
	Q2: 135 Q3: Only one university is included in the study & Students surveyed did not
How? How the survey experiment was conducted?	have the experience such as writing a college level term paper or taken a final exam
in class as a precursor to discussion of academic integrity, instrument was a paper and ask students to $circle(Y/N/D)$ for each question.	Q4: Between 1,764 and 1,765
	Q5: 100
	Q6: 65, 15, 225
	Q7: b
	Q8: population
	Q9: sample
	Q10: qualitative

Q12: 21 Q13: 1

Q11: Increase the generalizability of the results