

Reading Quiz: Chapter 15 (Statistics Concepts)

Due Nov 2 at 11:59pm	Points 10	Questions 5	Available Oct 27 at 12am - Dec 4 at 11:59pm about 1 month
Time Limit 12 Minutes			

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	7 minutes	8 out of 10

ⓘ Correct answers will be available on Nov 3 at 12am.

Score for this quiz: 8 out of 10
Submitted Oct 31 at 3:17pm
This attempt took 7 minutes.

Incorrect

Question 1

0 / 2 pts

Which of the following is NOT considered a collective property of cases?

☒ mean

☐ smoother

☐ density

☐ jitter

☐ sum

Question 2

2 / 2 pts

It's important to be aware of "ink saturation" since it can lead to misleading interpretations. Which of the following plots does the author claim most suffers from "ink saturation"

☐ Fig 15.3: Density Distribution Plot

☐ Fig 15.2: Density of Points with jitter imposed

☐ Fig 15.12: Jittered Points with Overlaid Smoother & Confidence Bands Split by Diabetic/Not

☒ Fig 15.1: Density of Points on a line

☐ Fig 15.4: Density Distribution Plot with Jittered Points Overlaid

Question 3

2 / 2 pts

True/False. The main reason that we should present confidence intervals or confidence bands is to quantify the uncertainty (or precision) of our estimates after accounting for sampling variability.

☒ True

☐ False

Question 4**2 / 2 pts**

Which of the following does NOT influence the width of a confidence band?

☒ Number of cases close to the Y value

☐ Amount of variation in the value of Y at or near the X value

☐ Number of cases close to the X value

☐ Extent to which the function is an extrapolation

Question 5**2 / 2 pts**

We should use smoothers sparingly because the audience for your data analysis is more likely familiar with straight-line functions than with non-linear smoothers.

☐ True

☒ False

Quiz Score: **8** out of 10