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STAT 388/488: Multivariate Data Analysis (Archived)

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Problem 1.9(e)

I entered the values into (1-19) $\$d(O,P)=\dots$

0
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#17

Homework 1

Homework 1 will be from chapter 1 of the ...

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Note Taking

Once we are back in class would you prefe...

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I learned today that my office hours on Tue...

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✓ Jan 17th - Jan 23rd

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Chernoff Faces - Real Applications?

Hi all (maybe particularly Dr. Whalen), I am...

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#4

1 online now

Charles Hwang

Visible to: Everyone

Problem 1.9(e) #17

Homework 1

I entered the values into (1-19) $d(O, P) = \sqrt{a_{11}x_1^2 + 2a_{12}x_1x_2 + a_{22}x_2^2}$ and got a negative number inside the square root. Is anyone else having the same problem or is there something I'm missing?

I tried using $\tilde{s}_{11}/\tilde{s}_{22}/\tilde{s}_{12}$, but the problem specifically says "Note: You will need s_{11}, s_{22} , and s_{12} from (a)."

0

0

106

16

Answers

Comments

Answer

Student answers

Best

↑
1

★ An instructor (Mena Whalen) endorsed this answer

Anonymous

I had no problem with that. To find the a_{11}, a_{12}, a_{22} , we need to plug in s_{11}, s_{22}, s_{12} into the formulas in footnote2 on page 35. We use $\sim s_{11}, \sim s_{12}, \sim s_{22}$ for 1.9 (d) but not for 1.9.(e). I would check the values of a_{11}, a_{12}, a_{22} .

Reply