

[Course](#) > [Week...](#) > [5.5 A...](#) > 5.5 A...

5.5 Assignment 1

Multiple Choice

0.0/1.0 point (graded)

Assuming the data estimate is less than the prior estimate, which of the following statements is true?

- ☐ Bayes estimate \leq Data estimate \leq Prior estimate
- ☐ Data estimate \leq Prior estimate \leq Bayes estimate
- ☐ Prior estimate \leq Bayes estimate \leq Data estimate
- ☐ Data estimate \leq Bayes estimate \leq Prior estimate

Submit

You have used 0 of 1 attempt

Multiple Choice

0.0/1.0 point (graded)

Suppose that 2% of the population has a rare disease. Everyone is given a test for the disease: if you have the disease, there is a 90% chance you test positive, and if you do not have the disease, there is an 85% chance you test negative. If you test positive, what is the probability you actually have the disease?

☐ 11%

☐ 27%

☐ 55%

☐ 93%

Submit

You have used 0 of 1 attempt