PALS0045 Week 7 Quiz

Start Over

This Quiz is designed to test your understanding of the learning objectives from the lecture in Week 7.

Complete each question and press submit to check your answers.

Q1:

you draw a card from a deck of 52, replace it and then draw another. What is the probability that you drew 2 hearts?

○ 1/4 ✗

◉ 1/16 ✓

○ 1/8 ✗

Correct!

Q2:

You roll a dice three times and it comes up on 6 each time. The rolls of the dice are:

◉ indpendent events ✓

○ dependent events ✗

Correct!

Q3:

The joint probability of being obese AND inactive is 0.1 and the probability of being obese is 0.2. What is the conditional probabiltiy of being inactive, given that someone is obese?

○ 0.2 ✗

○ 0.3 ✗

○ 0.02 ✗

◉ 0.5 ✓

Correct!

Q4:

Which of the following are true

PALS0045 Week 7 Quiz

○ sensitivity = p(negative test | no disease) ✗

○ sensitivity is the likelihood of getting a positive result when there is no disease present) ✗

◉ specificity = p(negative test | no disease) ✓

○ specificity is the likelihood of getting a positive result when there is a disease present) ✗

Correct!

Q5:

what are the odds of correctly guessing a stranger's month of birth

○ 8.3% ✗

◉ 9.1% ✓

○ 12% ✗

○ 10% ✗

Correct!

Q6:

what is the odds ratio of correctly guessing a stranger's month of birth, given that they tell you which season of the year they were born in (e.g. Summer, Winter...)

◉ 5.5 ✓

○ 25% ✗

○ 3 ✗

○ 4 ✗

Correct!

Q7:

The odds ratio of being diagnosed with DLD by age 9, given testing positive on a prior language screening is 7. Which of the following are true?

○ For every 100 people diagnosed with DLD, 7 of them tested positive on the screening ✗

○ The probability of DLD diagnosis is increased by a factor of 7x given the positive screening result ✗

◉ the odds of DLD diagnosis are increased by a factor of 7x given the positive screening result ✓

○ all of the above ✗

Correct!

Q8:

When reading about a given risk increasing the odds of an adverse event, what should we be weary of?

○ Odds ratios above 5 are impossible ✗

◉ It is important to know the baseline probability of that event in the first place ✓

○ The relative risk of that event occuring is all that matters ✗

Correct!

PALS0045 Week 7 Quiz

Start Over