- Gaussian Distributions Wikipedia
- Binomial Distributions Wikipedia

Quizzes

Here are a few quizzes to help you determine how well you understand the Gaussian and binomial distributions. Even if you can't remember how to answer these types of questions, feel free to move on

to the next part of the lesson; however, the material assumes you know what these distributions are and that you know the basics of how to work with them.

QUESTION 1 OF 3

Assume the average weight of an American adult male is 180 pounds with a standard deviation of 34 pounds. The distribution of weights follows a normal distribution. What is the probability that a man weighs exactly 185 pounds?

○ 0.56

✓ 0

○ 0.44

○ 0.059

○ I'm not sure how to answer this question

SUBMIT

QUESTION 2 OF 3

Like in the previous question, assume the average weight of an American adult male is 180 pounds with a standard deviation of 34 pounds. The distribution of weights follows a normal distribution. What is the probability that a man weighs somewhere between 120 and 155 pounds?

○ 0

○ 0.23

○ 0.27

✓ 0.19

SUBMIT

QUESTION 3 OF 3

Now consider a Binomial distribution. Assume that 15% of the population is allergic to cats. If you randomly select 60 people for a medical trial, what is the probability that 7 of those people are allergic to cats?

○ .01

○ .14

○ 0

○ .05

✓ 0.12

SUBMIT

NEXT