

Math 122

Introduction to Statistics and Probability

Central Limit Theorem Practice

Round to four decimal places as necessary.



1. What percentage of college age females are between 5'3 and 5'5 tall?
2. A simple random sample of 16 college age females is collected. What is the probability that their average height is between 5'3 and 5'5?
3. What percentage of newborn infants in the US weigh less than 7lb?
4. A simple random sample of 36 newborn infants is collected. What is the probability that their average weight is below 7lb?
5. Find a weight greater than the average weight of 99% of all samples of 25 newborn infants.