

Chapter 6 Test Topics

- ✓ Continuous random variables
- ✓ Density curves: Standard normal distribution, uniform distribution
- ✓ Find probabilities when given z scores, less than a particular z score, above a particular z score, from known areas
- ✓ Find the area between two z scores
- ✓ Convert values to standard z scores
- ✓ Find area of nonstandard normal distribution
- ✓ Sampling distribution of the proportion, sampling distribution of the mean
- ✓ Unbiased vs. biased estimators: Statistics that target population parameters & those that don't
- ✓ Central limit theorem--population distribution and sample distribution: verify, convert values to z scores, calculate probabilities, & interpret results
- ✓ Normal distribution as approximation to binomial distribution: verify, convert values to z scores using continuity correction factor, find probabilities, & interpret results