

CHAPTER 11: Inferences About Population Variances

Learning Objectives

After studying this chapter and doing the exercises, you should be able to:

1. Construct confidence intervals for a population standard deviation or population variance, using the chi-squared distribution.
2. Construct and interpret the results of hypothesis tests for a population standard deviation or population variance, using the chi-squared distribution.
3. Construct and interpret the results of hypothesis tests to compare two population standard deviations or population variances, using the F distribution.