

## CHAPTER OVERVIEW

### 4: Continuous Distributions

In this chapter, you will study the normal distribution, the standard normal distribution, and applications associated with them. The normal distribution has two parameters (two numerical descriptive measures), the mean ( $\mu$ ) and the standard deviation ( $\sigma$ ).

[4.1: Prelude to The Normal Distribution](#)

[4.2: The Standard Normal Distribution](#)

[4.3: Using the Normal Distribution](#)

[4.4: Normal Distribution - Lap Times \(Worksheet\)](#)

[4.5: Prelude to the Central Limit Theorem](#)

[4.6: The Central Limit Theorem for Sample Means \(Averages\)](#)

[4.7: The Central Limit Theorem for Sums](#)

[4.8: Using the Central Limit Theorem](#)

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