

## CHAPTER OVERVIEW

### 6: Continuous Probability Distributions

Chapter 5 dealt with probability distributions arising from **discrete** random variables. Mostly that chapter focused on the binomial experiment. There are many other experiments from discrete random variables that exist but are not covered in this book. This chapter deals with probability distributions that arise from **continuous** random variables. The focus of this chapter is a distribution known as the normal distribution, though realize that there are many other distributions that exist. A few others are examined in future chapters.

[6.1: Uniform Distribution](#)

[6.2: Graphs of the Normal Distribution](#)

[6.3: Finding Probabilities for the Normal Distribution](#)

[6.4: Assessing Normality](#)

[6.5: Sampling Distribution and the Central Limit Theorem](#)

---

This page titled [6: Continuous Probability Distributions](#) is shared under a [CC BY-SA 4.0](#) license and was authored, remixed, and/or curated by [Kathryn Kozak](#) via [source content](#) that was edited to the style and standards of the LibreTexts platform.