

## CHAPTER OVERVIEW

### 6: The Normal Distribution

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 ( $\sigma$ ).

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

[6.2: The Standard Normal Distribution](#)

[6.2.1: The Standard Normal Distribution \(Exercises\)](#)

[6.3: Using the Normal Distribution](#)

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

[6.5: Normal Distribution - Pinkie Length \(Worksheet\)](#)

[6.6: The Normal Distribution \(Exercises\)](#)

### Contributors and Attributions

- Barbara Illowsky and Susan Dean (De Anza College) with many other contributing authors. Content produced by OpenStax College is licensed under a Creative Commons Attribution License 4.0 license. Download for free at <http://cnx.org/contents/30189442-699...b91b9de@18.114>.

---

This page titled [6: The Normal Distribution](#) is shared under a [CC BY 4.0](#) license and was authored, remixed, and/or curated by [OpenStax](#) via [source content](#) that was edited to the style and standards of the LibreTexts platform.