

CHAPTER OVERVIEW

3: Probability Topics

Probability theory is concerned with probability, the analysis of random phenomena. The central objects of probability theory are random variables, stochastic processes, and events: mathematical abstractions of non-deterministic events or measured quantities that may either be single occurrences or evolve over time in an apparently random fashion.

[3.1: Introduction](#)

[3.2: Terminology](#)

[3.3: Independent and Mutually Exclusive Events](#)

[3.4: Two Basic Rules of Probability](#)

[3.5: Contingency Tables](#)

[3.6: Tree and Venn Diagrams](#)

[3.7: Probability Topics \(Worksheet\)](#)

[3.8: Probability Topics \(Exercises\)](#)

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 [3: Probability Topics](#) 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.