

## SECTION OVERVIEW

### 4.2: 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.

#### 4.2.1: Introduction

#### 4.2.2: Terminology

#### 4.2.3: Independent and Mutually Exclusive Events

#### 4.2.4: Two Basic Rules of Probability

#### 4.2.5: Contingency Tables

#### 4.2.6: Tree and Venn Diagrams

#### 4.2.7: Probability Topics (Worksheet)

#### 4.2.E: Probability Topics (Exercises)

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