

Homework Assignments

1. Read Chapter 14 (pages 326 – 339)
Pages 339 – 342 (1, 2, 3, 7, 12, 23, 27): **GRADED**
2. Read Chapter 15 (pages 344 – 362)
3. Pages 362 – 364 (2, 3, 7, 12, 16, 17)
4. Pages 364 – 366 (13, 21, 27, 33, 44): **GRADED**
5. Read Chapter 16 (pages 368 – 381)
6. Pages 381 – 383 (1, 3, 6, 23, 24)
7. Pages 382 – 384 (9, 11, 20, 33, 35): **GRADED**
8. Read Chapter 17 (pages 386 – 397)
9. Pages 398 – 399 (1, 6, 7, 13, 15, 20)
10. Pages 399 – 401 (14, 16, 18, 22, 25, 32, 36): **GRADED**

Vocabulary

| | |
|--|--|
| Adding or subtracting random variables | Law of Large Numbers |
| Addition Rule | Legitimate probability assignment |
| Bernoulli trials, if . . . | Multiplication Rule |
| Binomial probability model | Outcome |
| Central Limit Theorem | Probability |
| Changing a random variable by a constant | Probability model |
| Complement Rule | Random phenomenon |
| Conditional probability | Random variable |
| Continuous random variable | Sample space |
| Discrete random variable | Sampling distribution model |
| Disjoint (mutually exclusive) | Sampling distribution model for a mean |
| Disjoint events | Sampling distribution model for a proportion |
| Event | "Something Has to Happen Rule" |
| Expected value | Standard deviation |
| General Addition Rule | Standard error |
| General Multiplication Rule | Success/Failure Condition |
| Geometric probability model | Tree diagram |
| Independence (informally) | Trial |
| Independence (used casually) | Variance |
| Independence (used formally) | |