

Ch. 6 Vocabulary

Reading #1 (p. 388 – 403)

1. Random variable
2. Probability distribution
3. Discrete random variable
4. Mean (expected value) of a discrete random variable
5. Standard deviation of a discrete random variable
6. Variance of a discrete random variable
7. Continuous random variable

Reading #2 (p. 409 – 415)

1. Effect of adding/subtracting a constant
2. Effect of multiplying/dividing a constant
3. Linear Transformation of a random variable

Reading #3 (p. 415 – 426)

1. Mean of a sum/difference of random variables
2. Independent random variables
3. Standard deviation of sum/difference of random variables
4. Mean and standard deviation of linear combination

Reading #4 (p. 430 – 446)

1. Binomial setting
2. Binomial random variable
3. Binomial distribution
4. Binomial coefficient
5. Binomial probability formula
6. Mean of Binomial
7. Standard deviation of Binomial

Reading #5 (p. 446 – 454)

1. 10% condition
2. Large count condition
3. Geometric setting
4. Geometric random variable
5. Geometric distribution
6. Geometric probability formula
7. Mean of geometric
8. Standard deviation of geometric