Chapter 1

Introduction to Descriptive Statistics


Sample mean versus population mean


Review of sample and population variance


Chapter 2

Probability (playing cards) and/or


Addition rule for probability, Venn diagram, and/or, P(A or B)

http://www.khanacademy.org/math/probability/independent-dependent-probability/addition_rule_probability/v/addition-rule-for-probability

Probabilities of compound independent events

http://www.khanacademy.org/math/probability/independent-dependent-probability/independent_events/v/compound-probability-of-independent-events

Conditional probabilities

http://www.khanacademy.org/math/probability/independent-dependent-probability/dependent_probability/v/introduction-to-dependent-probability

Permutations
Combinations

Chapter 3
Random variables

Discrete and continuous random variables

Probability density functions for continuous random variables

Sal’s site with six double integral problems

Chapter 4
Expected value of a random variable