4. Experiments and Observational Studies (Chapters 8 and 9 of text) The design of experiments is introduced with an emphasis on randomization, treatments, subjects, factors, pairing and controls. Comparisons are made with observational studies.
5. Inference (Chapters 15, 16, 17, 18) Concepts related to the construction of con idence intervals (e.g. sampling distributions, con idence level, width, interpretation, the effect of sample size) are discussed. Also basic concepts related to the testing of hypotheses (e.g. hypotheses, p-values, statistical signi icance) are presented.
6. Estimation and Testing for One Sample Problems (Chapters 20 and 22 of text) Procedures for means and proportions are discussed with an emphasis on the use of SPSS software and the interpretation of results.
7. Estimation and Testing for Two Sample Problems (Chapters 21 and 23 of text) Procedures for means and proportions are discussed with an emphasis on the use of SPSS software and the interpretation of results.
8. One Way ANOVA (Chapter 27 of text) One way analysis of variance procedures are discussed with an emphasis on implementation using SPSS software and the interpretation of results.
9. Chi-Square Tests (Chapters 6 and 25 of text) Procedures for testing and contingency tables arerpr are and the interpr

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