

Statistics Examination Topics

1. Probability
 - a. Principle of Counting and Computing Probability
 - b. Joint, Marginal, Conditional Probability and Bayes' Theorem
 - c. Random Variables and Expected Values
 - d. Normal distribution
 - e. Sampling Distribution of the Sample Mean and the Central Limit Theorem
2. Statistical Inference
 - a. Point Estimation and Confidence Interval of the Sample Mean
 - b. Hypothesis Testing of a Population Mean
3. Introductory Econometrics
 - a. Simple Regression Model (Method of Ordinary Least Square)
 - b. Multiple Regression Model

References

1. Douglas A. Lind, William G. Marchal and Samuel A. Wathen, Statistical Techniques in Business & Economics, 13th Edition.
2. Gerald Keller, Statistics for Management and Economics, 7th Edition.
3. Gujarati, D. N. and D.C. Porter (2009) Basic Econometrics. 5th ed. Singapore, Mcgraw-Hill.