

Course Code: LBYACST

Course Title: Statistics for Accountants Using Computer Software

Course Description:

This course LBYACST - Statistics for Accountants Using Computer Software introduces students to different types of statistics and statistical methods. Students will then be able to determine which statistic and/or method is appropriate for a given situation. This course covers the following basic statistical techniques: descriptive measures, elementary probability, sampling, estimation and testing, regression, correlation, analysis of variance, and non-parametric tests and basic structural equation modelling. The emphasis is on business applications rather than rigorous mathematics.

Department: Accountancy

References:

Prescribed textbooks:

- Anderson, D. R., Sweeney, D. J., Williams, T. A., Camm, J. D., & Cochran, J. J. (2015). *Modern Business Statistics with Microsoft office Excel (5th ed.)*. Cincinnati, OH: South-Western/Thomson Learning.
- Walpole, R. E., Myers, R. H., Myers, S. L., & Ye, K. E. (2012). *Probability and statistics for engineers and scientists (9th edn.)*, Boston, MA: Pearson Education, Inc.

Computer Software:

- MS Excel
- Jamovi

Other references:

- Jaggia, S. Kelly, A. Lertwachara, K. (2013). *Business statistics: communicating with numbers*. New York: McGraw-Hill/Irwin
- Black, Ken. (2014). *Applied Business Statistics: Making Better Business Decisions 8th edition*. John Wiley and Sons.
- Bowerman, B., O'Connell, E. Murphree, J.B. (2012). *Essentials of business statistics*. New York: McGraw- Hill/Irwin.
- Fraser, C. (2012). *Business statistics for competitive advantage with Excel 2010: basics, model building, and cases*.
- Jaggia, S. and Kelly, A. (2013). *Business statistics: communicating with numbers*. New York: McGraw- Hill/Irwin.
- Perry, J.T. & Newmark R. (2011). *Building Accounting Systems Using Access 2007*, 7th edition. Thomson South-Western. New York: Springer.
- Williams, T., Sweeney, J., Anderson, D. (2012). *Contemporary business statistics*. Australia: South- Western/Cengage Learning.