ECO 470 – Econometrics

Course Description

Examines applications of statistical techniques to economic data, regression analysis, and estimation of economic models. Includes violations of the regression model and analysis of variance.

Instructional Materials

Gujarati, D.N. (2010). *Essentials of econometrics* (4th ed.). Boston: McGraw Hill.

Course Learning Outcomes

1. Apply econometrics to conduct and present the analysis of economic data to support business and public policy decisions.
2. Apply regression analysis to interpret the characteristics of populations and test hypotheses.
3. Select and apply the appropriate model to analyze economic data.
4. Explain how to resolve issues of multicollinearity, heteroscedasticity, and autocorrelation in variables.
5. Use technology and information resources to research issues in econometrics.
6. Write clearly and concisely about econometrics using proper writing mechanics.