ECN441 Advanced Econometrics (2 Units)

Department of Economics

Covenant University
1. ECN441

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Meaning and scope of econometrics, major assumption of Ordinary Least Square (OLS) methods, Derivation of the contents of OLS method by matrix approach, Econometric problems and violation of OLS assumptions with emphasis on the matrix method, the unit root and stationarity, seasonal variations and dummy variable method, seemingly unrelated regression, Bayesian approaches, lagged variables and non-linearity errors in variables two stage Least squares, maximum likelihood, three stage Least Squares, recent developments in Econometrics. Recent econometric packages for estimation.