

Unemployment Rate And Economic Growth Modelling With Generalized Spatial Three Stage Least Square (GS3SLS) in East Java

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Abstract

Spatial models have attracted considerable interest in the recent economics and econometrics literature, both on an empirical and theoretical level. One of the most widely used spatial models is the single equation model. The following spatial simultaneous equation model can be viewed as an extension of the widely used spatial single equation model and can use more than one equations. Generalized Spatial three Stage Least Square (GS3SLS) estimator is more efficient than the Other spatial simultaneous model. GS3SLS with weighted matrix as an invers from Distance can give best model than other weighted matrix. By using GS3SLS it can be concluded that there is a relationship of Unemployment Rate and economic growth in East Java.

Keywords:

Unemployment Rate, Spatial simultaneous, GS3SLS

Biographies

Agus Muslim is an a first year PhD Students Department of Statistics Bogor Agricultural University. Get a master's degree from the department of applied statistics padjadjaran university And get a diploma from institutes of statistics jakarta. Work in a central board of statistics (BPS) And interested in generalized linear mix model (GLMM), and Spatial Simultance Model

Anik Djuraidah is currently a fulltime senior lecturer, Department of Statistics Bogor Agricultural University with research interest in Statistical downscaling, Statistical Modelling and theory and applied Statistics