Abstract

In India the socio-economic development of different states is spatially heterogeneous. The states can be broadly classified into three categories viz; developed, developing and underdeveloped. The development status of states falling under any one category is influenced by its socio-economic parameters. The earlier studies on regional development have analyzed the socio-economic data but no effort has been made to empirically establish the relationship among the variables in the data. The proposed model presents an empirical model for estimating the socio-economic status of states based on Gross State Domestic Product (GSDP). The model correlating the GSDP with socio-economic parameters uses ANFIS tool for machine learning. The model so developed yields a reasonably acceptable result.

References

An Empirical Model of Regional Growth using Adaptive Neuro-Fuzzy Inference System

- Lychkina N. Natalia and Shults Dmitriy. Simulation modeling of regions social and economic development in decision support systems.

Index Terms

Computer Science  Fuzzy Systems

Keywords

Socio-economic parameters  learning model  ANFIS