

CHAPTER 7

BUSINESS ECONOMICS

Doctoral Theses

081. DAS (Saudamini)
Economic Valuation of a Selected Ecological Function - Storm Protection : A Case Study of Mangrove Forest of Orissa.
Supervisors : Prof. Kanchan Chopra and Prof. Rashmi Agrawal
Th 15820

Abstract

Presents empirical analysis to evaluate the protective services for the mangrove forests of Orissa state in India by making use data on damages suffered during the super cyclone of october 1999.

Contents

1. Wetlands, mangroves and their ecosystem:An overview and a framework. 2. Mangroves of Orissa:History and present status. 3. The rationale for valuation of ecological functional of mangroves. 4. Review of literature on mangrove valuation 5. The objectives and the methodology of the study:The cyclone damage function. 6. The study area and the data requirement. 7. Estimation of cyclone damage function and discussion. 8. Valuation of averted damages and the storm protection value of the mangrove. 9. Conclusion and policy implications. 10. Bibliography.

082. GUPTA (Usha)
Valuation of Urban Air Pollution : A Case Study of Kanpur Nagar, Uttar Pradesh, India.
Supervisors : Prof. Rashmi Agrawal and Prof. M. N. Murty
Th 15594

Abstract

Estimates the benefit and cost of air pollution abatement in the urban conglomeration of Kanpur in India. Estimates of health benefits of improved air quality and the cost of reducing

air pollution in the transport sector through the choice of vehicular technologies are obtained. Economic valuation of alternative vehicular technologies for the road transport in Kanpur is attempted. The estimates of cost of EURO II and III compliance technologies and the CNG technologies are obtained. The urban air pollution reduction provides apart from the health benefits estimated in this study, climatic change mitigation benefits, benefits from the improved visibility etc. The estimates shows that the health benefits alone are quiet high to justify the cost of air pollution abatement in Kanpur.

Contents

1. Introduction. 2. Kanpur - An overview and the status of air pollution. 3. Valuation of Urban air pollution : Methodology. 4. Estimation of household health production function model. 5. Disease specific morbidity effects of Urban air pollution. 6. Cost of abatement of vehicular air pollution in Kanpur. 7. Policy implications.

083. RAI (Pratibha)
Economic Valuation of Environmental Amenities in An Urban Setting : A Case Study.
 Superviso: Prof. Rashmi Agrawal
 Th 15754

Abstract

Assesses the hypothesis that the positive relationship between housing prices and level of environmental amenities is also applicable in the cases of market imperfections, as characterized in the developing economies. It is proposed that this relationship is not globally valid, but is significant only in the cases of premium housing segments. Attempts to develop and implement a framework for economic valuation of aesthetic benefits based on assessment of consumer behavior in the east Delhi housing market.

Contents

1. Introduction. 2. Literature review. 3. Methodology. 4. Sample analysis. 5. Benefit estimation. 6. Conclusions. References.