

CHAPTER 29

MATHEMATICAL SCIENCES STATISTICS

Doctoral Theses

407. DEKA (Barnali)
Some Contributions to the Survival Modeling of Interval Censored Chronic Kidney Disease Data.
Supervisor : Dr. Gurprit Grover
Th 21239

Contents

1. Modeling the risk of renal impairment using current status chronic kidney disease data 2. Spline-based hazards regression model for current status data : An Application to the chronic kidney disease data 3. Modeling the risk of ESRD using interval censored chronic kidney disease data 4. A spline-based partly linear cox proportional hazards model for interval censored data with a cured subgroup. Future research and bibliography.

408. GHOSH (Sudeetpa)
Contributions to Inferential Procedures for Some Reliability Models.
Supervisor : Dr. Ajit Chaturvedi
Th 21240

Contents

1. The genesis and advancement of reliability inference 2. Estimating the reliability function for a family of inverse distributions 3. Bayesian estimation procedures for the family of inverse distributions 4. Sequential testing procedures and their robustness for the family of inverse distributions 5. Classical and bayesian estimation procedures for the reliability function for gompertz distribution under censoring 6. Classical and bayesian estimation procedures for the reliability function for generalized logistic distribution. References.

409. VAJALA RAVI
On the Estimation of HIV/AIDS Population in India and Study of Prognostic Factors Effecting the Survival of Patients Undergoing Anti-Retroviral Therapy.
 Supervisor : Dr. Gurprit Grover
Th 21362

Contents

1. Introduction 2. On the estimation of average HIV Population using various Bayesian Techniques 3. On the estimation of expected survival time of AIDS patients undergoing Anti Retroviral therapy using censored generalized poisson regression model 4. On the Estimation of intensities, illness-death probabilities and expected duration of stay in various states of AIDS Patients undergoing Anti-Retroviral therapy 5. On the assessment of various factors effecting the improvement in CD4 count of AIDS patients undergoing Anti-Retroviral Therapy using generalized poisson regression 6. Survival pattern of AIDS Patients with respect to types of tuberculosis and associated prognostic factors : A study. Reference.

M.Phil Dissertations

410. ANUSUYA
Review of Estimation and Testing Procedures for Some Lifetime Models.
 Supervisor : Dr. Ajit Chaturvedi
411. ASHOK KUMAR
Optimal Designs for Logistic Regression Model : A Review.
 Supervisor : Dr. Poonam Singh
412. MOHAMMAD TAYYAB
Inferential and Stochastic Aspects of Some Lifetime Models: A Review from Classical and Bayesian Perspective.
 Supervisor : Dr. Ranjita Pandey
413. SINGH (Roopal Jyoti)
Review of Classical and Bayesian Inferences for Some Lifetime Distributions.
 Supervisor : Dr. Ajit Chaturvedi
414. YADAV (Neema)
Review of Fertility Patterns : Theoretic and Modeling Approaches.
 Supervisor : Dr. Ranjita Pandey