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

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

Supervisor: Dr. Gurprit Grover

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 poission regression

M.Phil Dissertations

409. VAJALA RAVI

Supervisor: Dr. Ajit Chaturvedi

410. ANUSUYA

Optimal Designs for Logistic Regression Model: A Review.
Supervisor: Dr. Poonam Singh

411. ASHOK KUMAR

Inferential and Stochastic Aspects of Some Lifetime Models: A Review from Classical and Bayesian Perspective.
Supervisor: Dr. Ranjita Pandey

412. MOHAMMAD TAYYAB

Review of Classical and Bayesian Inferences for Some Lifetime Distributions.
Supervisor: Dr. Ajit Chaturvedi

413. SINGH (Roopal Jyoti)

Review of Fertility Patterns: Theoretic and Modeling Approaches.
Supervisor: Dr. Ranjita Pandey

414. YADAV (Neema)

Supervisor: Dr. Ajit Chaturvedi