5th Workshop on Probabilistic and Statistical Methods
February 6-8, 2017 – ICMC/USP, São Carlos, SP, Brazil

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Accepted Submissions

Oral Communications

1. Amanda Morales Eudes D'Andrea, Vera Lucia Damasceno Tomazella and Cirdêmia Costa Feitosa
   PIPGEs UFSCar ICMC/USP, UFSCar and PIPGEs UFSCar ICMC/USP, Brazil
   Estimation methods for Kumaraswamy exponential distribution applied survival data

2. Aline Piroutek, D. Duarte, C. Alves, Renato Assunção and Aluísio Pinheiro
   UNICAMP, UFMG, , UFMG and UNICAMP, Brazil
   Inference in probabilistic context neighborhood

3. Démerson André Polli and Carlos Alberto Ribeiro Diniz
   PIPGEs UFSCar ICMC/USP and UFSCar, Brazil
   Avaliação de produtos através da verificação da presença de $m \geq 1$ quesitos

4. Vinícius Basseto Félix and André Felipe B. Menezes
   UEM, Brazil
   Monte Carlo study of multiple comparisons corrections in t-test

Poster Session

1. Afonso F. Vaz, Rafael Izbicki and Rafael Stern
   PIPGEs UFSCar, UFSCar and UFSCar, Brazil
   The ratio estimator for quantification task under prior probability shift

2. Amanda Buosi Gazon, Luis Ernesto Bueno Salasar and Adriano Polpo de Campos
   PIPGEs UFSCar ICMC/USP, UFSCar and UFSCar, Brazil
   Functional data analysis and meta-analysis: An application to human gait data

3. Carlos F. Taco Pedraza
   UFRJ, Brazil
   Limite hidrodinâmico para processo tipo exclusão

4. Caio Moura Quina
   ICMC/USP, Brazil
   Branching processes: Applications and simulations

5. Carolina Bueno Grejo and Fábio Prates Machado
   IME/USP, Brazil
   Evolution of species: The mutation as a strategy of survival

6. Cleber Martins Xavier and Ricardo S. Ehlers
   PIPGEs UFSCar ICMC/USP and ICMC/USP, Brazil
   A study Hamiltonian Monte Carlo methods in univariate GARCH models

7. Daiane de Souza, Vicente G. Cancho, Josemar Rodrigues
   PIPGEs ICMC/USP, ICMC/USP and ICMC/USP, Brazil
   Testes de hipóteses para o parâmetro de dispersão da distribuição hiper-Poisson

8. Danilo C. Nogarotto, Caio L.N. Azevedo and Jorge L. Bazán
   School of Technology/UNICAMP, Department of Statistics/UNICAMP and ICMC/USP,
   Brazil
   Bayesian estimation, residual analysis and prior sensitivity study for zero-one aug-
   mented beta regression model with an application to psychometric data

9. Diego Mattozo B. Silva and Gustavo H. A. Pereira
   PIPGEs UFSCar ICMC/USP and UFSCar, Brazil
   Um método de categorização de variáveis baseado no ajuste de modelos de regressão
   para variáveis binárias

10. Diego Nascimento, Anderson Ara and Francisco Louzada
    PIPGEs UFSCar ICMC/USP, ICMC/USP and ICMC/USP, Brazil
    Feature selection approach with missing values conducted for statistical learning -
    A case study of entrepreneurship survival dataset

11. Diego Nascimento, Jose Augusto Fiorucci, Francisco Louzada and Clausius Duque
    Reis
    PIPGEs UFSCar ICMC/USP, ICMC/USP, ICMC/USP and PPG-CCMC ICMC/USP,
    Brazil
    Wilcoxon test for transformation on soundscape: A feature extraction task

12. Eduardo Schneider Bueno de Oliveira, Marcelo Andrade da Silva and Jorge Luis
    Bazán
    PIPGEs UFSCar ICMC/USP, PIPGEs UFSCar ICMC/USP and ICMC/USP, Bra-
    zil
    Bayesian estimation of DINA model using no-U-turn Hamiltonian Monte Carlo

13. Fabiano Rodrigues Coelho and Cibele Maria Russo
    PIPGEs UFSCar ICMC/USP and ICMC/USP, Brazil
    Variable selection in generalized linear mixed models applied to educational data

14. Glauber Márcio Silveira Pereira and Carlos Alberto Ribeiro Diniz
    PIPGEs UFSCar ICMC/USP and UFSCar, Brazil
    COM-Poisson bivariate correlated distribution

15. Helton Saulo, N. Balakrishnan, Xiaojun Zhu, Jhon F.B. Gonzales and Jeremias Leão
    UFG and McMaster Universit, McMaster Universit, McMaster Universit, UFSCar, UFAM, Brazil, Canada, Canada, Brazil
    Estimation in generalized bivariate Birnbaum-Saunders models

16. Ian M Danilevicz, Ricardo S Ehlers and David S Dias
    PIPGEs UFSCar ICMC/USP, ICMC/USP and PIPGEs UFSCar ICMC/USP, Brazil
    Outlier identification in spatial models

17. Juliana Scudilio, Vinicius F. Calsavara, Ricardo Rocha, Francisco Louzada, Vera Tomazella and Agatha S. Rodrigues
    PIPGEs UFSCar ICMC/USP, A. C. Camargo Cancer Center, ICMC/USP, ICMC/USP, UFSCar and IME/USP UFSCar, Brazil
    Defective models induced by gamma frailty term for survival data with cured fraction

18. Lorena Cáceres Tomaya and Mário de Castro
    PIPGEs UFSCar ICMC/USP and ICMC/USP, Brazil
    Maximum penalized likelihood inference in classical errors-in-variables model

19. Marcela A. G. Machado and Antônio F. B Costa
    UNESP-Guaratinguetá, Brazil
    Monitoring bivariate processes with a synthetic control chart based on sample ranges

20. Marcelo A. da Silva and Jorge Luis Bazán
    PIPGEs UFSCar ICMC/USP and ICMC/USP, Brazil
    Choosing between two polytomous IRT models using no-U-turn Hamiltonian Monte Carlo with application to the study of depression

21. Milton Miranda Neto and Ricardo De Carli Novaes
    PIPGEs UFSCar ICMC/USP and PIPGEs UFSCar ICMC/USP, Brazil
    Strong Law of Large Numbers for dependent Bernoulli random variables

22. Osenilma Maria Batista Gadelha and Daniel Correia Sampaio
    3E Engenharia em Eficiência Energética and 3E Engenharia em Eficiência Energética, Brazil
    Solid waste management project estimate of Ecoelce - waste goals (EMS)

23. Pedro Luiz Ramos and Francisco Louzada
    PIPGEs UFSCar ICMC/USP and ICMC/USP, Brazil
    Bayesian reference analysis for the generalized gamma distribution

24. Rafael de Carvalho Ceregatti, Luis Ernesto Bueno Salasar and Rafael Izbicki
    PIPGEs UFSCar ICMC/USP, UFSCar and UFSCar, Brazil
    A new evidence index for Bayesian nonparametric two-sample tests

25. Rafael Soares Paixão and Ricardo Sandes Ehlers
    PIPGEs UFSCar ICMC/USP and ICMC/USP, Brazil
    Bayesian Inference for GJR-GARCH models via Hamiltonian Monte Carlo

26. Ricardo Felipe Ferreira and Alexsandro Giacomo Grimbert Gallo
    PIPGEs UFSCar ICMC/USP and UFSCar, Brazil
    On existence of invariant measures of stochastic chain with unbounded memory

27. Rosineide F. da Paz, Narayanaswamy Balakrishnan and Jorge Luis Bazán
    PIPGEs UFSCar ICMC/USP, McMaster University and ICMC/USP, Brazil, Canada and Brazil
    The L-logistic distribution under Bayesian approach

28. Sandra Cristina de Oliveira, Juliana Cobre and Taiane de Paula Ferreira
    UNESP-Tupã, ICMC/USP and UNESP-Tupã, Brazil
    Bayesian inference for the reliability of scientific co-authorship networks with emphasis on edges or co-authorship relations

29. Susan A. Chumbimune Anyosa, Jorge Luis Bazán
    PIPGEs UFSCar ICMC/USP and ICMC/USP, Brazil
    Ligações potência e potência reversa: Uma aplicação a dados educacionais

30. Themis C. Abensur, Mário de Castro and Alina A. von Davier
    PIPGEs UFSCar ICMC/USP, ICMC/USP and ACT Inc, Brazil and USA
    Singularity points and vanishing tetrads in factor analysis

31. Thiago Gottardi and Rosana T. V. Braga
    ICMC/USP and ICMC/USP, Brazil
    A formalization for software process discovery and comparison metric