SCHEDULE

2nd Conference on Statistics and Data Science, November 18-20, 2019

Mercure Salvador Rio Vermelho Hotel, Salvador, BA Brazil

Time	Monday, 18/11/2019	Tuesday, 19/11/2019	Wednesday, 20/11/2019
08:00–08:30	**SC1**: {Pelourinho} **SC2**: {Mercado Modelo} **Poster Session - ECD**	**SC3**: {Mercado Modelo} **SC4**: {Pelourinho}	**SC3**: {Mercado Modelo} **SC4**: {Pelourinho}
08:30–09:00			
09:00–09:30			
09:30–10:00			
10:00–10:30	**Coffee Break**	**Coffee Break**	**Coffee Break**
10:30–11:00	**SC1**: {Pelourinho} **SC2**: {Mercado Modelo}	**W1**: Richard De Veaux {Mercado Modelo}	**RT3**: {Mercado Modelo}
11:00–11:30			
11:30–12:00		**CPS3**: {Mercado Modelo} **CPS4**: {Pelourinho}	**KS3**: Pedro Silva {Mercado Modelo}
12:00–12:30			
12:30–13:00	**Lunch**	**Lunch**	**Closing Ceremony**
13:00–13:30			**Lunch**
13:30–14:00			
14:00–14:30	**Opening Ceremony**	**RT2**: {Mercado Modelo}	**SC5**: {Pelourinho} **SC6**: {Mercado Modelo}
14:30–15:00	**KS1**: Richard De Veaux {Mercado Modelo}		
15:50–15:30			
15:30–16:00	**Coffee Break**	**Coffee Break**	
16:00–16:30	**IPS1**: {Mercado Modelo} **IPS2**: {Pelourinho}	**CPS5**: {Mercado Modelo} **avansys**: {Pelourinho}	**Coffee Break**
16:30–17:00			**SC5**: {Pelourinho} **SC6**: {Mercado Modelo}
17:00–17:30		**Poster Session**	
17:30–18:00	**CPS1**: {Mercado Modelo} **CPS2**: {Pelourinho}		
18:00–18:30			
18:30–19:00	**RT1**: {Mercado Modelo}		
19:00–19:30			
19:45–21:45	**Welcome Cocktail**		

1. **Richard D. De Veaux** (Williams College, USA; Vice-President of the American Statistical Association): *The Seven Deadly Sins of Big Data -- and How to Avoid Them*
2. **Pedro Luis do Nascimento Silva** (ENCE/IBGE, Brazil): *Big data: potencial, paradoxos e a importância renovada do pensamento estatístico*

1. **SC1 - Crysttian Arantes Paixão** (Federal University of Santa Catarina, SC, Brazil): *Implementation of web crawling processes*
2. **SC2 - Marcus Nunes** (Federal University of Rio Grande do Norte, RN, Brazil): How to simplify your statistical reports using RMarkdown
3. **SC3 - Athos Petri Damiani** (IME and POLI, University of São Paulo, and Curso-R, SP, Brazil): *My first dashboard with Shiny*
4. **SC4 - Makson Reis** (Federal University of Bahia, BA, Brazil): *Data literacy*
5. **SC5 – Everaldo Guedes** (Federal University of Bahia, BA, Brazil): *An introduction to time series analysis with R*
6. **SC6 - Lucas Mascarenhas Almeida and Tarssio Barreto** (Federal University of Bahia, Salvador, BA, Brazil): *Tidyverse: A data science introduction with R*

IPS1 - Data Science, Communication & Democracy: methodological approaches (Samuel Barros, UFRA)

- Eurico Matos and Alexandre Teles (UFBA): *Classification and Opinion Mining in Digital Environments: analyzing user perceptions of mobile government applications*
- Júnia Ortiz, André Rebouças, Gustavo Nunes and Laion Boaventura (UFBA): *Methodological proposal for Agenda-Setting research: using Topic Modeling to understand big social data*
- João Guilherme Santos (UFBA): *Network analysis applied to viralization of false news: applications of algorithms for classification of WhatsApp groups*
- Lucas Reis (UFBA): *Blockchain and Government Services: The State of the Art of Research and Applications*

IPS2 - Statistical and Data Sciences and Recent Applications (Francisco Louzada, ICMC, USP)

- Anderson Ara (UFBA): *Bayesian Networks: Methods and Applications*
- Gleici da Silva Castro Perdoná (USP): *A Generalized Gamma zero-Inflated cure-rate regression model applied on obstetric healthcare*
- Francisco Louzada (ICMC, USP): Statistical and Data Sciences at CeMEAI

W1: Some tips for effective presentations

- Richard D. De Veaux (Williams College, USA)

RT1 – How to get your paper published? (Paulo Canas Rodrigues, UFBA)

- Richard D. De Veaux (Williams College, USA)
- Francisco Louzada (ICMC, USP, Brazil)

RT2 - Data science and big data in Brazil (Paulo Canas Rodrigues, UFBA)

- Francisco Louzada (University of São Paulo, Brazil)
- Jalmar M F Carrasco (Federal University of Bahia, Brazil)
- Pedro Luis do Nascimento Silva (ENCE/IBGE, Brazil)
- Marcus Nunes (Federal University of Rio Grande do Norte, Brazil)

RT3 - The role of statistics in the Era of big data (Paulo Canas Rodrigues, UFBA)

- Richard D. De Veaux (Williams College, USA; Vice-President of the American Statistical Association)
- Pedro Luis do Nascimento Silva (ENCE/IBGE, Brazil; former President of the International Statistical Institute)
- Denise Britz de Nascimento Silva (IBGE, Brazil; President of the International Association of Survey Statisticians)

CPS1: Machine learning methodology and applications

- Alberto Rodrigues Ferreira, Tibérius de Oliveira E Bonates and Juvêncio Santos Nobre: Generalized Model Trees: A new algorithm proposal for regression tasks
- Daniel de Amaral da Silva, Antonio Rafael Braga, Juvêncio Santos Nobre and Danielo Gonçalves Gomes: Clustering and Elastic Net Logistic Regression as Support Tools for Honeybee (Apis mellifera) Colonies Health Diagnosis
- Robert Sebastian Castellanos Rodriguez: Scikit-learn: Machine Learning in Python

CPS2: Data science applications to the society

- Douglas Farias Cordeiro, Kátia Kelvis Cassiano and Núbia Rosa da Silva: Indicators for public policy based on the use of text mining and machine learning: a case study of the Brazil's Lava Jato Operation
- Karla Patricia Oliveira-Esquerre et al. Rise of The Young Women in Data Science: Data literacy in Public Schools
- Aline Maia, Mári Firpo, Ana Ávila and Caio Coelho: Spatial variability of rainy season onset characteristics across the São Paulo State, Brazil

CPS3: Data science in practice

- Eduardo Paes, Nelson Gouveia, Elton Correa and Jeandria Freire: A proposed method to objectively identify synchronic spatial domains of chlorophyll in the marine region of the Amazon coast using remote sensing data: a multivariate approach
- André Maranhão: Forecasts, Brazilian GDP Projections and Time Series Inference in the High-Dimension and Irregular-Time Span Context
- Matheus Carvalho, Katia Cassiano and Barbosa Talles: Machine learning for health management: a breast cancer case study in Brazil

CPS4: Recent advances in regression and longitudinal models

- Alejandra Andrea Tapia Silva: Influence diagnostics in mixed effects logistic regression models
- Iuri Ferreira and Silvio Zocchi: Piecewise-linear regression with smooth phase-transitional functions by the assumption of random thresholds
- Ines Sousa: Joint models of longitudinal data with informative time measurements

CPS5: Recent advances in statistics and data science

- Henrique Zaidan, Bruno Guedes and Claudio Cristino: A Computational Model for After-Sales Services
- Lucas Braga de Albuquerque and Tiberius Oliveira Bonates: Finding optimal classification rules using decision diagrams
- Denisa Mendonça, Anabela Rodrigues, Inês Sousa and Laetitia Teixeira: Joint Modelling of survival and multivariate longitudinal data in clinical research

Contributed Posters

1. Adelmo Bertolde, Luiz Henrique Quinelato, Carolina Maia Martins Sales and Ethel Leonor Noia Maciel: Machine learning applied to the study of tuberculosis in Brazil
2. Alice Buarque Vieira de Mello, Maria Lima and Tatiane Ribeiro: Correção de viés das estimativas dos parâmetros de uma nova extensão da distribuição Nadarajah-Haghighi
3. Bruna Carvalho: Marcos Regulatórios Diante de "O Conflito Evitável" – Os Ruídos Humanos na Ciência de Dados a Partir de Isaac Asimov
4. Caroline Fernandes and Karla Esquerre: a machine learning based approach to classify real-time optimization executions
5. Daniel Alba-Cuellar and Hugo Hernandez-Ramos: Early Monthly Estimation of Manufacturing Activity Level using Electric Energy Consumption data
6. Diego Nascimento, Taiza Santos and Francisco Louzada: Nonlinear Time Series Analysis: unfolding complexity in neuroscience
7. Djidenou Montcho, Rafael Izbicki and Luis Salazar: Goodness-of-fit using nonparametric full Bayesian significance test
8. Felipe González: Text analytics on open ended questions data. A new analysis alternative in opinion surveys
9. Ian Jay Serra and Daisy Lou Polestico: On extended negative binomial distribution for count data with inflated frequencies
10. Laion Lima Boaventura, Paulo Henrique Ferreira da Silva, Rosemeire Leovigildo Fiaccone and Francisco Louzada: New statistical process control chart for overdispersed count data based on the Bell distribution
11. Lucas Mascarenhas Almeida, Brenner Biasi Souza Silva and Karla Patrícia Santos Oliveira Rodriguez Esquerre: Using Random Forest to predict the BOD5 of an aerated lagoon at a pulp and paper mill
12. Marcela Portela Santos de Figueiredo: Alcohol consumption, smoking, and psychiatric comorbidity' s relationship study
13. Marisol García Peña, Sergio Arciniegas Alarcón and Kaye Basford: Analysis of sunflower data from a multi-attribute genotype x environment trial in brazil
14. Natanael Vitor Sobral, Brenda Barbara Costa Ribeiro and Valdinei Silva de Souza: Produção Científica, Tecnológica e Acadêmica dos Programas de Pós-Graduação da Universidade Federal da Bahia representada na Plataforma Lattes do CNPq
15. Renato Panaro, Silvio Patricio, Vinícius Mayrink and Marcelo Costa: Modelagem Preditiva do monitoramento econômico-financeiro da ANEEL
16. Sergio Arciniegas Alarcón, Marisol García Peña, Wojtek Krzanowski and Decio Barbin: Multiple imputation procedures using the GabrielEigen algorithm
17. Silvia Ojeda and Grisel Maribel Britos On similarity and edge detection in images processing
18. Tatiana Felix da Matta, Anderson Ara, Lucas Eber Floriano de Oliveira and Laion Lima Boaventura: Trade-off between bias and variance: a simulation study with some machine learning models
19. Yan Andrade Neves and André Luiz Carvalho Ottoni: Tuning of convolutional neural networks parameters applied to traffic sign recognition