PIPGES · WEBINARS

APR · 01
2022

02:40 PM

(GMT-03:00) Brasilia Standard Time - Sao Paulo

The video call link will be available at:

https://tiny.one/vallejos-r

Interinstitutional Graduate Program in Statistics (PIPGES) of Federal University of São Carlos with University of São Paulo promotes seminars groups (temporarily webinars, due to pandemic issues) of researches involving Probability, Statistics, Machine Learning etc. Our interest, among other things, is to stimulate the sharing of knowledge, as well as the connection between members of the program and researchers in other institutions.

Organizer

Michel H. Montoril, Department of Statistics,
Federal University of São Carlos.

CONCORDANCE ANALYSIS FOR GEOREFERENCED VARIABLES

The agreement between two continuous sequences has been widely studied in biostatistics when comparing two instruments. The generalization to two georeferenced variables is currently a matter of research. In this talk we outline some recent developments of the agreements analysis for continuous spatial variables. In particular, we review one extension of Lin's coefficient and a generalization of the probability of agreement. The discussion includes theoretical aspects and numerical experiments to gain more insight about the performance of theses porposals in practice.

SPEAKER

Ronny Vallejos · Universidad Técnica Federico Santa María

BIO

Ronny Vallejos received his Bachelor and Master of Science in Mathematics from the UTFSM, Chile in 1995 and 1998, respectively. He also received his Master degree in Statistics from the University of Connecticut, USA in 2002, and later his Ph.D. in Statistics from the University of Maryland Baltimore County in 2006. Currently, he is an associate professor in the Department of Mathematics at UTFSM, Chile. He is coauthor of the book Spatial Relationships Between Two Georeferenced Variables With Applications in R (Springer, in 2020). His research interests are spatial statistics, statistical image processing, time series, and agreement measures.

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