

A comparison between joint regression analysis and the AMMI model: A case study with barley

Pereira, D. G., Rodrigues, P. C., Mejza, S. & Mexia, J. T., Feb 2012, In : JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION. 82, 2, p. 193-207 15 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Ageing first passage time density in continuous time random walks and quenched energy landscapes

Krüsemann, H., Godec, A. & Metzler, R., 17 Jul 2015, In : Journal of Physics A: Mathematical and Theoretical. 48, 28, 285001.

Research output: Contribution to journal › Article › Scientific › peer-review

Aging scaled Brownian motion

Safdari, H., Chechkin, A. V., Jafari, G. R. & Metzler, R., 7 Apr 2015, In : Physical Review E. 91, 4, 042107.

Research output: Contribution to journal › Article › Scientific › peer-review

A robust AMMI model for the analysis of genotype-by-environment data

Rodrigues, P. C., Monteiro, A. & Lourenço, V. M., 1 Jul 2015, In : Bioinformatics. 32, 1, p. 58-66 9 p.

Research output: Contribution to journal › Article › Scientific › peer-review

A stochastic model for survival of early prostate cancer with adjustments for leadtime, length bias, and over-detection

Wu, G. H. M., Auvinen, A., Yen, A. M. F., Hakama, M., Walter, S. D. & Chen, H. H., Jan 2012, In : Biometrical Journal. 54, 1, p. 20-44 25 p.

Research output: Contribution to journal › Article › Scientific › peer-review

BACOM: In silico detection of genomic deletion types and correction of normal cell contamination in copy number data

Yu, G., Zhang, B., Bova, G. S., Xu, J., Shih, I. M. & Wang, Y., Jun 2011, In : Bioinformatics. 27, 11, p. 1473-1480 8 p., btr183.

Research output: Contribution to journal › Article › Scientific › peer-review

Characterizing rate limiting steps in transcription from RNA production times in live cells

Häkkinen, A. & Ribeiro, A. S., 1 May 2016, In : Bioinformatics. 32, 9, p. 1346-1352 7 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Clustering-based method for developing a genomic copy number alteration signature for predicting the metastatic potential of prostate cancer

Pearlman, A., Campbell, C., Brooks, E., Genshaft, A., Shajahan, S., Ittman, M., Bova, G. S., Melamed, J., Holcomb, I., Schneider, R. J. & Ostrer, H., 2012, In : JOURNAL OF PROBABILITY AND STATISTICS. 873570.

Research output: Contribution to journal › Article › Scientific › peer-review

Comparative analysis of tissue reconstruction algorithms for 3D histology

Kartasalo, K., Latonen, L., Vihinen, J., Visakorpi, T., Nykter, M. & Ruusuvoori, P., 1 Sep 2018, In : Bioinformatics. 34, 17, p. 3013-3021 9 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Conformational properties of complex polymers: Rosette versus star-like structures

Blavatska, V. & Metzler, R., 7 Apr 2015, In : Journal of Physics A: Mathematical and Theoretical. 48, 13, 135001.

Research output: Contribution to journal › Article › Scientific › peer-review

Diffusion through thin membranes: Modeling across scales

Aho, V., Mattila, K., Kühn, T., Kekäläinen, P., Pulkkinen, O., Minussi, R. B., Vihinen-Ranta, M. & Timonen, J., 12 Apr 2016, In : Physical Review E. 93, 4, 043309.

Research output: Contribution to journal › Article › Scientific › peer-review

Dynamics of coupled repressilators: The role of mRNA kinetics and transcription cooperativity

Potapov, I., Volkov, E. & Kuznetsov, A., 4 Mar 2011, In : Physical Review E. 83, 3, 031901.

Research output: Contribution to journal › Article › Scientific › peer-review

Dynamics of intracranial electroencephalographic recordings from epilepsy patients using univariate and bivariate recurrence networks

Subramaniam, N. P. & Hyttinen, J., 27 Feb 2015, In : Physical Review E. 91, 2, 022927.

Research output: Contribution to journal › Article › Scientific › peer-review

Ergodicity breaking, ageing, and confinement in generalized diffusion processes with position and time dependent diffusivity

Cherstvy, A. G. & Metzler, R., 15 May 2015, In : Journal of Statistical Mechanics: Theory and Experiment. 2015, 5, P05010.

Research output: Contribution to journal › Article › Scientific › peer-review

Estimation of GFP-tagged RNA numbers from temporal fluorescence intensity data

Häkkinen, A. & Ribeiro, A. S., 1 Jan 2015, In : Bioinformatics. 31, 1, p. 69-75 7 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Exploratory analysis of spatiotemporal patterns of cellular automata by clustering compressibility

Emmert-Streib, F., 8 Feb 2010, In : Physical Review E. 81, 2, 026103.

Research output: Contribution to journal › Article › Scientific › peer-review

Fault tolerance of information processing in gene networks

Emmert-Streib, F. & Dehmer, M., 15 Feb 2009, In : Physica A: Statistical Mechanics and Its Applications. 388, 4, p. 541-548 8 p.

Research output: Contribution to journal › Article › Scientific › peer-review

First-principles data set of 45,892 isolated and cation-coordinated conformers of 20 proteinogenic amino acids

Ropo, M., Schneider, M., Baldauf, C. & Blum, V., 16 Feb 2016, In : Scientific Data. 3, 160009.

Research output: Contribution to journal › Article › Scientific › peer-review

Forecasting mortality rate by singular spectrum analysis

Mahmoudvand, R., Alehosseini, F. & Rodrigues, P. C., 1 Nov 2015, In : REVSTAT STATISTICAL JOURNAL. 13, 3, p. 193-206 14 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Generative modeling for maximizing precision and recall in information visualization

Peltonen, J. & Kaski, S., 2011, In : Journal of Machine Learning Research. 15, p. 579-587 9 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Gene set analysis for self-contained tests: Complex null and specific alternative hypotheses

Rahmatallah, Y., Emmert-Streib, F. & Glazko, G., Dec 2012, In : Bioinformatics. 28, 23, p. 3073-3080 8 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Gene Sets Net Correlations Analysis (GSNCA): A multivariate differential coexpression test for gene sets

Rahmatallah, Y., Emmert-Streib, F. & Glazko, G., 1 Feb 2014, In : Bioinformatics. 30, 3, p. 360-368 9 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Hermitian one-particle density matrix through a semiclassical gradient expansion

Bencheikh, K. & Räsänen, E., 9 Dec 2015, In : Journal of Physics A: Mathematical and Theoretical. 49, 1, 015205.

Research output: Contribution to journal › Article › Scientific › peer-review

High-Reynolds-number turbulent cavity flow using the lattice Boltzmann method

Hegele, L. A., Scagliarini, A., Sbragaglia, M., Mattila, K. K., Philippi, P. C., Puleri, D. F., Gounley, J. & Randles, A., 4 Oct 2018, In : Physical Review E. 98, 4, 13 p., 043302.

Research output: Contribution to journal › Article › Scientific › peer-review

Information retrieval perspective to meta-visualization

Peltonen, J. & Lin, Z., 2013, In : Journal of Machine Learning Research. 29, p. 165-180 16 p.
Research output: Contribution to journal › Article › Scientific › peer-review

Introducing libeemd: a program package for performing the ensemble empirical mode decomposition

Luukko, P. J. J., Helske, J. & Räsänen, E., 1 Jun 2016, In : Computational Statistics. 31, 2, p. 545-557 13 p.
Research output: Contribution to journal › Article › Scientific › peer-review

Investigation of an entropic stabilizer for the lattice-Boltzmann method

Mattila, K. K., Hegele, L. A. & Philippi, P. C., 19 Jun 2015, In : Physical Review E. 91, 6, 063010.
Research output: Contribution to journal › Article › Scientific › peer-review

Majorization-minimization for manifold embedding

Yang, Z., Peltonen, J. & Kaski, S., 2015, In : Journal of Machine Learning Research. 38, p. 1088-1097 10 p.
Research output: Contribution to journal › Article › Scientific › peer-review

NetBioV: An R package for visualizing large network data in biology and medicine

Tripathi, S., Dehmer, M. & Emmert-Streib, F., 2 Apr 2014, In : Bioinformatics. 30, 19, p. 2834-2836 3 p.
Research output: Contribution to journal › Article › Scientific › peer-review

Nonlinear continuous-wave optical propagation in nematic liquid crystals: Interplay between reorientational and thermal effects

Alberucci, A., Laudyn, U. A., Piccardi, A., Kwasny, M., Klus, B., Karpierz, M. A. & Assanto, G., 11 Jul 2017, In : Physical Review E. 96, 1, 012703.
Research output: Contribution to journal › Article › Scientific › peer-review

Optimization and universality of Brownian search in a basic model of quenched heterogeneous media

Godec, A. & Metzler, R., 21 May 2015, In : Physical Review E. 91, 5, 052134.
Research output: Contribution to journal › Article › Scientific › peer-review

Parity-time-symmetric solitons in trapped Bose-Einstein condensates and the influence of varying complex potentials: A variational approach

Devassy, L., Jisha, C. P., Alberucci, A. & Kuriakose, V. C., 19 Aug 2015, In : Physical Review E. 92, 2, 12 p., 022914.
Research output: Contribution to journal › Article › Scientific › peer-review

Quantifying the non-ergodicity of scaled Brownian motion

Safdari, H., Cherstvy, A. G., Chechkin, A. V., Thiel, F., Sokolov, I. M. & Metzler, R., 18 Sep 2015, In : Journal of Physics A: Mathematical and Theoretical. 48, 37, 375002.
Research output: Contribution to journal › Article › Scientific › peer-review

Reorientational versus Kerr dark and gray solitary waves using modulation theory

Assanto, G., Marchant, T. R., Minzoni, A. A. & Smyth, N. F., 9 Dec 2011, In : Physical Review E. 84, 6, 066602.
Research output: Contribution to journal › Article › Scientific › peer-review

Revealing differences in gene network inference algorithms on the network level by ensemble methods

Altay, G. & Emmert-Streib, F., 25 May 2010, In : Bioinformatics. 26, 14, p. 1738-1744 7 p., btq259.
Research output: Contribution to journal › Article › Scientific › peer-review

SamExploreR: Exploring reproducibility and robustness of RNA-seq results based on SAM files

Stupnikov, A., Tripathi, S., De Matos Simoes, R., McArt, D., Salto-Tellez, M., Glazko, G., Dehmer, M. & Emmert-Streib, F., 1 Nov 2016, In : Bioinformatics. 32, 21, p. 3345-3347 3 p.
Research output: Contribution to journal › Article › Scientific › peer-review

SCIP: a single-cell image processor toolbox

Martins, L., Neeli-Venkata, R., Oliveira, S. M. D., Häkkinen, A., Ribeiro, A. S. & Fonseca, J. M., 15 Dec 2018, In : *Bioinformatics*. 34, 24, p. 4318-4320 3 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Search reliability and search efficiency of combined Lévy-Brownian motion: Long relocations mingled with thorough local exploration

Palyulin, V. V., Chechkin, A. V., Klages, R. & Metzler, R., 8 Sep 2016, In : *Journal of Physics A: Mathematical and Theoretical*. 49, 39, 394002.

Research output: Contribution to journal › Article › Scientific › peer-review

Signal focusing through active transport

Godec, A. & Metzler, R., 2 Jul 2015, In : *Physical Review E*. 92, 1, 6 p., 010701.

Research output: Contribution to journal › Article › Scientific › peer-review

Structured orthogonal families of one and two strata prime basis factorial models

Rodrigues, P. C., Moreira, E. E., Jesus, V. M. & Mexia, J. T., 2014, In : *Statistical Papers*. 55, 3, p. 603-614 12 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Unite and conquer: Univariate and multivariate approaches for finding differentially expressed gene sets

Glazko, G. V. & Emmert-Streib, F., Sep 2009, In : *Bioinformatics*. 25, 18, p. 2348-2354 7 p.

Research output: Contribution to journal › Article › Scientific › peer-review

Using multi-step proposal distribution for improved MCMC convergence in Bayesian network structure learning

Larjo, A. & Lähdesmäki, H., 27 Dec 2015, In : *Eurasip Journal on Bioinformatics and Systems Biology*. 2015, 1, 6.

Research output: Contribution to journal › Article › Scientific › peer-review

Performance of Variable Partial Factor approach in a slope design

Knuuti, M. & Lämsävaara, T., 2019, *13th International Conference on Applications of Statistics and Probability in Civil Engineering(ICASP13), Seoul, South Korea, May 26-30, 2019*.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review