

extreme-value copulas

Gordon Gudendorf, Johan Segers

Statistics > Methodology

We gratefully acknowledge supp the Simons Fo and member ins

Search or Article-id

(<u>Help</u> | <u>Advance</u> All papers

Download:

- PDF
- PostScript
- Other formats

Current browse cont stat.ME

< prev | next >

new | recent | 1107

Change to browse b

References & Citatio

NASA ADS

Bookmark(what is this?)

dependence functions having a discrete spectral measure supported on a sufficiently fine grid. Weak convergence of the standardized estimators is demonstrated and the finite-sample performance of the estimators is investigated by means of a simulation experiment.
Comments: 26 pages; submitted; Universit\'e catholique de Louvain, Institut de statistique, biostatistique et sciences actuarielles
Subjects: Methodology (stat.ME)

Nonparametric estimation of multivariate

Extreme-value copulas arise in the asymptotic theory for componentwise maxima of independent

is a function on the unit simplex subject to certain shape constraints that arise from an integral

certain rank-based nonparametric estimators of the Pickands dependence function. The shape constraint that the estimator should itself be a Pickands dependence function is enforced by

replacing an initial estimator by its best least-squares approximation in the set of Pickands

random samples. An extreme-value copula is determined by its Pickands dependence function, which

transform of an underlying measure called spectral measure. Multivariate extensions are provided of

(Submitted on 12 Jul 2011 (v1), last revised 29 Nov 2011 (this version, v2))

MSC classes: 62G05, 62G32, 62G20 Report number: DP2011/18 Cite as: arXiv:1107.2410 [stat.ME] (or arXiv:1107.2410v2 [stat.ME] for this version)

Submission history

From: Johan Segers [view email] [v1] Tue, 12 Jul 2011 20:20:39 GMT (35kb) [v2] Tue, 29 Nov 2011 11:17:12 GMT (28kb)

Which authors of this paper are endorsers?

Link back to: arXiv, form interface, contact.