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## Computational Statistics and Data Analysis

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biomarkers, and proteomics

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statistical learning and classification, competing risk models and censoring in reliability

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inference for high dimensional data

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Bioinformatics, data/information visualization, data mining, dimension reduction, and pattern recognition

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Bayesian methods, Bayesian hierarchical models, Bayesian model selection, Bayesian nonparametric inference,

Non/Semiparametric regression models

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Fuzzy, symbolic and functional data analysis, nonparametric regression, goodness-of-fit and applied statistics

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Survival analysis, assessment of diagnostic markers, longitudinal data analysis, goodness of fit tests, model selection, diagnostic

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Reliability and survival analysis, parametric and nonparametric inference for competing risks, load sharing models, coherent

systems, associated (dependent) random variables

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Big data, computations for high dimensional regression, high dimensional covariance matrices

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analysis, outliers, stochastic processes, wavelets

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dimensional data, classification methods Technische Universität Dortmund, Dortmund, Germany

Robust statistics, time series, nonparametric smoothing, change-point detection, online monitoring, graphical models

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Algorithms for model selection, combinatorial algorithms, parallel computing

Peking University, Beijing, China Z. Geng

Contingency tables, log-linear models, categorical data analysis, probabilistic expert systems, collapsibility of association of

measures, incompletely classified data, knowledge based systems, statistical algorithms

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Fuzzy statistical analysis, descriptive statistics, inferential statistics, genetic algorithms and neural networks

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Multivariate analyses including clustering and classification, robust statistics, model selection, explorative and graphical data

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models, EM algorithm

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University of Illinois at Chicago, Chicago, Illinois, USA G. Karabatsos

Bayesian nonparametric and parametric mixture models, causal modeling, statistical decision-theory, model selection, order-

restricted statistical inference, test score equating, item-response modeling, and cluster analysis

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University of Canterbury, Christchurch, New Zealand

Bayesian statistics, kernel density estimation, kernel regression, Markov chain, Monte Carlo, nonparametric statistics, particle

filters, perfect sampling, sequential Monte Carlo Soong Sil University, Dongjak-Gu, Seoul, South Korea

J.J. Lee Classification analysis, data mining, statistical software Korea University, Seongbuk-Gu, Seoul, South Korea J.W. Lee

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Distribution theory, influence diagnostics and goodness-of-fit, lifetime analysis, normal and non-normal regression models

N. Lin Washington University in St. Louis, St. Louis, MO, USA

Statistical computing in massive data, bioinformatics, Bayesian regularization, longitudinal and functional data analysis, and

statistical applications in anesthesiology and cognition

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Columbia University, New York, New York, USA S. Lopez-Pintado Functional data analysis, data depth

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