

## 报告 20

大数据在医疗与健康管理的应用研究

### **Multivariate Longitudinal Hidden Markov Latent Variable Models for the Management of Episodic Process of Cocaine Addiction**

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#### 讲者介绍 **Biography**

Xin-Yuan Song is a Professor and Graduate Division Head in the Department of Statistics, and Assistant Dean in the Faculty of Science, The Chinese University of Hong Kong. Her research interests are latent variable models, survival analysis, Bayesian methods, and their application in Medical and Behavioral Sciences. She serves as an associate editor or editorial board member for several leading international journals, including *Psychometrika*, *Biometrics*, and *Structural Equation Modeling: A Multidisciplinary Journal*. She has published over 100 papers in prestigious international journals. Her recent publications appeared in *Journal of the American Statistical Association*, *Biometrika*, *Biometrics*, *Structural Equation Modeling: A Multidisciplinary Journal*, and *Sociological Methods and Research*.