

FENGNAN GAO

Personal Details

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Homepage: <https://gaofn.github.io/>

Research Interests

Nonparametric Bayesian Statistics

High-dimensional Statistical Inference in Networks

Probabilistic Methods in Networks

Professional Appointments

Sep. 2016 - Assistant professor jointly appointed by the School of Data Science of Fudan University and Shanghai Center for Mathematical Sciences

Education

Sep. 2012 - PhD student of AAD VAN DER VAART
Aug. 2016 Leiden University, The Netherlands

Sep. 2010 - Master of Science in Industrial and Applied Mathematics
Sep. 2011 Department of Mathematics & Computer Science / EURANDOM
Eindhoven University of Technology, The Netherlands

Aug. 2009 - Master of Science in Industrial Mathematics
Aug. 2010 Department of Mathematics
Kaiserslautern University of Technology, Germany
Aggregate grade: Very good (*Sehr Gut*)

Sep. 2005 - Bachelor of Science in Statistics
Jun. 2009 Department of Mathematics
Nanjing University, China
Major GPA 88/100 Rank 4/43

Papers

2015 Posterior contraction rates for deconvolution of Dirichlet-Laplace mixtures
Eletronical Journal of Statistics

<http://projecteuclid.org/euclid.ejs/1457123508>

2017 On the Asymptotic Normality of Estimating the Affine Preferential Attachment Network Models with Random Initial Degrees
Stochastic Processes and their Applications

<http://dx.doi.org/10.1016/j.spa.2017.03.008>

2017 Consistent Estimation in General Sublinear Preferential Attachment Trees
Submitted to *Electronic Journal of Statistics*

<https://arxiv.org/abs/1706.07607>

In preparation

2016 On the Asymptotic Normality of Estimating Parametric Preferential Attachment functions

2014 Modeling and Inference of Networks of the Internet Movie Database with Preferential Attachment Model

Selected Talks & Presentations

Dec. 2016	Invited talk for the closing workshop of <i>Dynamic Networks</i> In <i>the Issac Newton Institute for Mathematical Sciences, Cambridge, UK</i>
Jul. 2016	World Congress in Probability and Statistics In <i>Toronto, Canada</i>
May 2016	Invited talk in Shanghai Center for Mathematical Sciences In <i>Shanghai, China</i>
Jul. 2015	European Meeting of Statisticians In <i>Amsterdam, The Netherlands</i>
Jun. 2015	10th Conference on Bayesian Nonparametrics In <i>Raleigh, NC, The USA</i>

Theses

May 2017	PhD thesis - <i>Bayes & Networks</i> Supervisor: AAD VAN DER VAART
Sep. 2011	Master's thesis - <i>Modeling and Inference of Internet Movie Database</i> Supervisors: REMCO VAN DER HOFSTAD & RUI CASTRO

Scholarships & Awards

2016	IMS travel award <i>To facilitate travelling for the World Congress in Probability and Statistics to Toronto, Canada</i>
2015	ISBA travel award <i>To facilitate travelling for 10th BNP conference to Raleigh, NC, The USA</i>
2005 - 2008	Three years of Renmin Scholarships from Nanjing University <i>Awarded for excellent academic performance</i>

Computer Skills

R, Python, MATLAB, SQL, SAS, C++, T_EX

Hobbies

Photography, Amateur Road Biking, Rowing