

Adji Bouso Dieng

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Education

Ph.D in Statistics, Columbia University Advisors: David Blei, John Paisley	2014 – Present
Master in Applied Statistics, Cornell University Advisors: David Lifka, Martin Wells	Jan 2012 – May 2013
Diplome d'Ingenieur, Telecom ParisTech France's "Grandes Ecoles "	Sep 2009 – May 2013
Lycee Henri IV (France's "Classes Preparatoires aux Grandes Ecoles")	Sep 2006 – June 2009

Employment

Research Intern Microsoft AI & Research	June 2017 – Sep 2017
Research Intern Deep Learning Technology Center, Microsoft Research	June 2016 – Sep 2016
Junior Professional Associate The World Bank	June 2013- July 2014
Intern International Finance Corporation	Jan 2013 – May 2013
Research Intern Weill Cornell Medical College	May 2012 – Aug 2012

Awards

Neural Information Processing Systems Travel Award	October 2017
International Conference on Learning Representations Travel Award	March 2017
Microsoft Azure Research Award (\$20K Azure Credit)	November 2016 – November 2017
Columbia University Dean Fellowship (Full Funding)	August 2014 – Present
Cornell Institute for African Development Fellowship (Full Tuition)	August 2013 – May 2013
Pathfinder Foundation Scholarship (€ 60K to study abroad)	2007 – 2011
Senegalese Government Excellence Scholarship	2006 – 2010
Laureate du Concours General (Senegalese Olympiad, Philosophy)	July 2006

Publications

A. B. Dieng, C. Wang, J. Gao, and J. W. Paisley. *TopicRNN: A Recurrent Neural Network with Long Range Semantic Dependency*.

International Conference on learning Representation, 2017.

A. B. Dieng, D. Tran, R. Ranganath, J. W. Paisley and D. M. Blei. *Variational Inference via χ Upper Bound Minimization*.

Neural Information Processing Systems, 2017.

D. Tran, A. Kucukelbir, **A. B. Dieng**, M. Rudolph, D. Liang, and D.M. Blei. *Edward: A Python library for probabilistic modeling, inference, and criticism*.

Professional Service

Reviewing

Artificial Intelligence and Statistics	2018
International Conference on Learning Representations	2018
Advances in Approximate Bayesian Inference Workshop	2018
International Conference on Machine Learning	2017
Neural Information Processing Systems	2016, 2017
Foundations and Trends in Machine Learning	2016

Professional Membership

Institute for Mathematical Statistics
American Statistical Association

Volunteering

International Conference on Learning Representations	2017
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Teaching

Teaching Assistant, Columbia University Advanced Data Analysis	Fall 2017
Teaching Assistant, Columbia University Statistical Methods for Finance	Spring 2016
Teaching Assistant, Columbia University Probability and Statistics for Data Science	Fall 2015
Teaching Assistant, Columbia University Linear Regression Models	Spring 2015
Teaching Assistant, Columbia University Probability	Fall 2014

Talks

Black in AI Workshop, Long Beach CA (short spotlight talk)	December 2017
MSR AI, Microsoft Research, Redmond WA	August 2017
SSLI Lab, University of Washington, Seattle WA	August 2017
DeepLoria, Loria Laboratory, Nancy, France	April 2017
AI With The Best, Online	April 2017
Columbia University Minghui Memorial Conference (short talk)	April 2017
OpenAI, San Francisco, CA	January 2017
IBM TJ Watson Research, Yorktown Heights, NY	December 2016

Posters

Black in AI Workshop	December 2017
Self-Organizing Machine Learning Conference	December 2017
Neural Information Processing Systems	December 2017
International Conference on learning Representations	April 2017
NYAS Machine Learning Symposium	March 2017

Communication Skills

Human Languages: Wolof(Native), French(Native), English(Fluent).

Machine Languages: Python (Pytorch, Tensorflow, Numpy, Scipy, PySpark), R(Stan), C#, Java, SQL.

Big Data Technologies: Azure, AWS.

Version Control: Git, SVN.