Can Minh Le

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EDUCATION

- **Ph.D. in Statistics**, University of Michigan, USA, 2016.
  Advisors: Professor **Elizaveta Levina** and Professor **Roman Vershynin**.

- **M.A. in Mathematics**, Kent State University, USA, 2011.

- **B.S. and M.S. in Applied Mathematics**, Kharkov National University, Ukraine, 2007.

RESEARCH INTERESTS

- Statistical methods for network analysis.

- Statistical machine learning.

- Random matrix theory.

PUBLICATIONS

[1] CAN M. LE, ELIZAVETA LEVINA (2015). Estimating a network from multiple noisy realizations. *In preparation, to be submitted to Annals of Applied Statistics.*

[2] CAN M. LE, ELIZAVETA LEVINA (2015). Estimating the number of communities in networks by spectral methods. *arXiv:1507.00827. Submitted to Statistica Sinica.*

[3] CAN M. LE, ROMAN VERSHYNIN (2015). Concentration and regularization of random graphs. *arXiv:1506.00669. Submitted to Random Structures and Algorithms.*

[4] CAN M. LE, ELIZAVETA LEVINA, ROMAN VERSHYNIN (2015). Sparse random graphs: regularization and concentration of the Laplacian. *arXiv:1502.03049. In revision.*

[5] CAN M. LE, ELIZAVETA LEVINA, ROMAN VERSHYNIN (2014). Optimization via low-rank approximation for community detection in networks. *arXiv:1406.0067.* To appear in ***Annals of Statistics***.

[6] CAN M. LE (2011). On Subspace-Hypercyclic Operators. ***Proc. Amer. Math. Soc.*** (139) 2847–2852.

[7] CAN M. LE (2008). Banach space of functions with the uniform Dini property. ***Kharkov National University Vestnik.*** (828) 185–196.

AWARDS

- NSF Conference for Complex Systems Poster Travel Award, 2015.

- Highest Distinction Graduation, Kharkov National University, 2007.

PRESENTATIONS

Invited talks:

- Estimating network structures and application to brain networks. Statistics student seminar, December 2015, Ann Arbor, MI.

- Sparse random graphs: regularization and concentration of the Laplacian. Berkeley Network FRG video-conference seminar, September 2015.

- Sparse random graphs: regularization and concentration of the Laplacian. EECS student seminar, February 2015, Ann Arbor, MI.

Contributed talks:

- Sparse random graphs: regularization and concentration of the Laplacian. JSM, August 2015, Seattle, WA.

- Optimization via low-rank approximation, with applications to community detection in networks. JSM, August 2014, Boston, MA.

- On subspace-hypercyclic operators. The sixth conference on function spaces, May 2010, Edwardsville, IL.

Posters:

- Estimating the number of communities in networks by spectral methods. From Industrial Statistics to Data Science, October 2015, Ann Arbor, MI.

- Sparse random graphs: regularization and concentration of the Laplacian. NSF Conference Statistics for Complex Systems, June 2015, Madison, WI.

- Sparse random graphs: regularization and concentration of the Laplacian. Michigan Student Symposium for Interdisciplinary Statistical Sciences, March 2015, Ann Arbor, MI.

- Optimization via low-rank approximation, with applications to community detection in networks. Michigan Student Symposium for Interdisciplinary Statistical Sciences, March 2014, Ann Arbor, MI.

TEACHING EXPERIENCE

Intensive review session (University of Michigan)

- This involved creating and giving one week intensive review of topics and problem-solving skills in Real Analysis for new Ph.D. students, 2013-2015.

Lab Instructor (University of Michigan)

- Introduction to Statistics and Data Analysis (Stats 250), 2011 and 2012. This course covers basic topics of statistics. Lab instructor reviews new topics, discusses examples, answers questions, and guides lab projects.

- Applied Statistics II (Stats 401), Fall 2013. This course covers various topics of linear regression, analysis of variances and covariances. Lab instructor reviews new topics, discusses examples, answers questions, and guides lab projects.

Instructor (Kent State University)

- Algebra for Calculus (Math 11010), 2010 and 2011. This course covers basic topics of functions, graphs, sequences, and series. Instructor takes full responsibility: creating syllabus, preparing and giving weekly lectures, creating and grading exams.

SERVICE

- Reviewer for The Canadian Journal of Statistics.

- Co-chair of Statistics Student Seminar Series, Fall 2012 and Winter 2013.

OTHER

- Programming experience in Matlab, R, Python, and C/C++.

- Native in Vietnamese, fluent in English and Russian.