

Biosketch of Vince Lyzinski

Vince Lyzinski received the B.Sc. degree in mathematics from the University of Notre Dame in 2006, the M.Sc. degree in mathematics from Johns Hopkins University (JHU) in 2007, the M.Sc.E. degree in applied mathematics and statistics from JHU in 2011, and the Ph.D. degree in applied mathematics and statistics from JHU in 2013.

From 2013-2014 he was a postdoctoral fellow in the Applied Mathematics and Statistics (AMS) Department at JHU. During 2014-2017, he was a Senior Research Scientist at the JHU HLT/COE and an Assistant Research Professor in the AMS Department at JHU. From 2017-2019 he was an Assistant Professor at the University of Massachusetts Amherst in the Dept. of Mathematics and Statistics. From 2019-present he is an Assistant Professor at the University of Maryland in the Department of Mathematics.

His research interests include statistical network inference, statistical machine learning, graph matching algorithms, pattern recognition, dimensionality reduction, stochastic processes, and high-dimensional data analysis.

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Education

Ph.D., 2013, Johns Hopkins University, Applied Mathematics and Statistics. Advisor: Prof. James Allen Fill Dissertation title: Intertwinings, Interlacing Eigenvalues, and Strong Stationary Duality for Diffusions

M.S.E., 2011, Johns Hopkins University, Applied Mathematics and Statistics.

M.S., 2007, Johns Hopkins University, Mathematics.

B.S., 2006, University of Notre Dame, Mathematics, Magna Cum Laude.

Honors/Awards

Five Selected Publications

1. D. L. Sussman, Y. Park, C. E. Priebe, V. Lyzinski: Matched filters for noisy induced subgraph detection. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, to appear, (2019+).
2. V. Lyzinski, K. Levin, C.E. Priebe: On Consistent Vertex Nomination Schemes. *Journal of Machine Learning Research*, 69, pp. 1-39, (2019).
3. V. Lyzinski: Information Recovery in Shuffled Graphs via Graph Matching. *IEEE Transactions on Information Theory*, 64(5), pp.3254-3273, (2018).

4. V. Lyzinski, M. Tang, A. Athreya, Y. Park and C. E. Priebe: Community Detection and Classification in Hierarchical Stochastic Blockmodels. *IEEE Transactions on Network Science and Engineering*, 4(1), pp.13-26, (2017).
5. V. Lyzinski, D. E. Fishkind, M. Fiori, J. T. Vogelstein, C. E. Priebe and G. Sapiro: Graph Matching: Relax at Your Own Risk. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 38(1), pp.60-73., (2016).