STUDENT INTERACTIONS

Fokoué, Ernest

FORMER RESEARCH STUDENTS

Wilcox, K. Tyler, MS Thesis Advisee (2017). PhD student in Quantitative Psychology at the <i>University of Notre Dame, South Bend, Indiana, USA</i> .
Young, Jessica, MS Thesis Advisee (2017). Data Scientist at the $University$ of $Notre$ $Dame$, $South$ $Bend$, $Indiana$, USA .
Floyd, Calvin, MS Thesis Advisee (2017). Data Scientist at the $Sports,\ USA.$
Ravi, Lakshmi, Research Assistant (2017). Promoted to Data Position with the Alexa Project at $Amazon\ Corporation,\ Seattle,\ Washington,\ USA.$
Ramos, André Lobato, MS Thesis Advisee (2016). Data Scientist with Globos in Sao $Paulo, Brazil.$
Olinto, Gabriela Guimaraes, MS Thesis Advisee (2016). Data Scientist at Amazon in $\mathit{Brazil}.$
Houston, Paige, MS Thesis Advisee (2016). Data Scientist at $Soleo\ Communications,\ Fairport,\ New\ York,\ USA.$
Yang, Shiteng, MS Thesis Advisee (2016). PhD student in Statistics at $Oklahoma\ State\ University,\ Stillwater,\ Oklahoma,\ USA.$
Corsetti, Matthew, Research Assistant (2015). PhD student in Statistics at the $University$ of $Rochester$, $Rochester$, $New\ York$, USA .
Bill, Jo, MS Thesis Advisee (2015). Data Scientist at the $\it United States Department of Defense.$
Yu, Xingchen, MS Thesis Advisee (2015). PhD student in Statistics at the <i>University of California at Santa Cruz, Santa Cruz, California, USA</i> .
$\rm Liu,\ Bohan,\ MS\ Thesis\ Advisee\ (2016).$ Seeking PhD studentship in Statistics or Computer Science.
Qahl, Sahal, MS Thesis Advisee (2014). PhD student in Statistics at the $\it University$ of $\it Calgary, Canada$.
Elshrif, Mohamed, Research Assistant (2015). Postdoctoral Research Fellow in $\it Qatar$, $\it Middle~East$.
Ma, Zichen, MS Thesis Advisee (2014). PhD student in Statistics at the $\it University$ of $\it South Carolina, Columbia, South Carolina, USA.$
Cretekos, Ellen, MS Thesis Advisee (2013). Statistician at the Excellus BlueCross Blue Shield, Rochester, New York, USA.

	Ly, Vi, Research Assistant (2015). Statistical Data Analyst at the $M \& T Bank, Buffalo, New York, USA.$
	Ladage, Anurag, MS Thesis Advisee (2014). PhD student in Industrial Engineering at the $University\ of\ Mumbai,\ India.$
	Jauhari, Shruti, Research Assistant (2015). Tapeout Technology Development Software Engineer at Intel Corporation, Hillsboro, Oregon, USA.
	Morankar, Aniket, Research Assistant (2015). Software Engineer at Citrix Systems, Goleta, California, USA.
SI	ELECTED REFEREED PUBLICATIONS WITH STUDENT CO-AUTHORS ¹
	Floyd, C. M. and Hoffman, Matthew and Fokoué, Ernest (2019) Shot-by-Shot Stochastic Modeling of Individual Tennis Points, <i>Journal of Quantitative Analysis in Sports (JQAS)</i> , Vol xx, Pages xx-xx, 2019. <i>Revision Requested by the Editor</i> .
	Fokoué, E. and Brimkov , B. (2018) The Multifaceted Impact of Statistical Methodology and Theory in Data Science, <i>Mathematics for Applications</i> , Vol 7, Pages 1-2, 2018. Download here.
	Elshrif, M. and Fokoué, E. (2018) Random subspace learning (RASSEL) with Data Driven Weighting Schemes, <i>Mathematics for Applications</i> , Vol 7, Pages 11-30, 2018. DOI: 10.13164/ma.2018.02. Download here.
	Olinto, G. G. and Fokoué, E. (2018) Kernelized Cost-Sensitive Listwise Ranking, $Mathematics\ for\ Applications,\ Vol\ 7,\ Pages\ 31-40,\ 2018.\ DOI:\ 10.13164/ma.2018.03.$
	Wu, Q. and Fokoué, E. and Kudithipudi, D. (2018) An Ensemble Learning Approach to the Predictive Stability of Echo State Networks, <i>Journal of Informatics and Mathematical Sciences (JIMS)</i> , Vol 10, Numbers 1-2, Pages 181-199, 2018. http://dx.doi.org/10.26713/jims.v10i1-2.827
	Corsetti, M. and Fokoué, E. (2018) Nonnegative Matrix Factorization with Toeplitz Penalty, <i>Journal of Informatics and Mathematical Sciences (JIMS)</i> , Vol 10, Numbers 1-2, Pages 201-215, 2018. http://dx.doi.org/10.26713/jims.v10i1-2.851
	Fokoué, E. and Ma, Z. (2018) Bayesian variable selection for linear regression with the κ - G priors, $Communications$ in $Statistics$: $Theory$ and $Methods$, Vol xx, Number xx, Pages xx-xx, 2018. $Revision$ $Invited$ by the $Editor$.
	Seo, S. and Fokoué, E. (2017) Estimation of Community Views on Criminal Justice a Statistical Document Analysis Approach, <i>Journal of Advances in Mathematics and Computer Science (JAMCS)</i> , Vol 25, Issue Number 6, Pages 1-21, 2018. DOI: 10.9734/JAMCS/2017/38582
	Mnatzaganian, J. and Fokoué, E. and Kudithipudi, D. (2017) A Mathematical Formalization of Hierarchical Temporal Memory's Spatial Pooler, <i>Frontiers in Robotics and AI</i> , Vol 3, Article 81, 2017. Download here.

¹Bold face names are student co-authors

☐ Fokoué, E. and Ravi, L. and Kudithipudi, D. (2017) A penalized maximum Likelihood Approach to the Adaptive Learning of the Spatial Pooler Permanence, In 2017 International Joint Conference on Neural Networks (IJCNN), Pages 962-967, May 2017. □ Zhang, X. and Rollins, B. and Gündüz, N. and Fokoué, E. (2017) Estimating the strength of the impact of rushing attempt in NFL game outcomes, British Journal of Mathematics & Computer Science, Vol 22, Number 4, Pages 1-12, 2017. DOI: 10.9734/BJMCS/2017/31565. □ Jha, U. K. and Bajorski, P. and Fokoué, E. and Van Aardt, J. and Anderson, G. (2017) Dimensionality Reduction of High-Dimensional Highly Correlated Multivariate Grapevine Dataset, Open Journal of Statistics, Vol 7, Number 4, Pages 702-717, 2017. □ Rantanen, E. M. and Fokoué, E. and Gegner, K. and Haut, J. and Overbye, T. J. (2017) Data properties underlying human monitoring performance, $In\ Human\ Factors$ and Ergonomics Society 2017 Annual Meeting, Pages 1711-1715. SAGE Publications, October 2017. http://journals.sagepub.com/doi/10.1177/1541931213601976. ☐ Jauhari, S. and Morankar, A. and Fokoué, E. (2017) Predictive Analytics Tools for Identifying The Keys to Victory in Professional Tennis, Journal of Computer and Communications, Vol xx, Number xx, Pages xx-xx, 2017. To appear Ly, V. and Fokoué, E. (2016) Frequentist Approximation of the Bayesian Posterior Inclusion Probability by Stochastic Subsampling, British Journal of Mathematics & Computer Science, Vol 18, Number 5, pp 1-22, 2016. DOI:10.9734/BJMCS/2016/27023. □ Zhang, X. and Bramati, M. C. and Fokoué, E. (2016) Using Dynamic Bayesian Networks to Characterize and Predict Job Placement, ICCSS 2017: International Conference on Computational Social Science, Amsterdam, The Netherlands, (May 14-15, 2017), Volume 3, Number 5, Page 3035, 2016. □ Corsetti, M. and Fokoué, E (2015) Nonnegative Matrix Factorization with Zellner Penalty, Open Journal of Statistics, Vol. 5, No. 7, pp. 777-786, December 2015. ☐ Liu, B. and Fokoué, E (2015) Random Subspace Learning Approach to High-Dimensional Outliers Detection, Open Journal of Statistics, Vol. 5, No. 6, pp. 618-630, October 2015. ☐ Bill, J. and Fokoué, E (2014) A Comparative Analysis of Predictive Learning Algorithms on High-Dimensional Microarray Cancer Data, Serdica Journal of Computing, Volume 8, Number 2, pp 137-168, 2014. □ Ma, Z. and Fokoué, E (2014) Accent Recognition For Noisy Audio Signals, Serdica Journal of Computing, Volume 8, Number 2, pp 169-182, 2014. Yu, X. and Fokoué, E (2014) Probit Normal Correlated Topic Models, Open Journal of Statistics, Vol. 4, No. 11, pp. 879-888, December 2014. ☐ Ma, Z. and Fokoué, E (2014) A Comparison of Classifiers in Performing Speaker Accent Recognition Using MFCCs, Open Journal of Statistics, Vol. 4, No. 4, 258-266, 2014.

RESEARCH SUPERVISION ACTIVITIES

Twagirayezu, Jean Pierre and Fokoué, E. (2017-2018). Kernel Regression with Network Cohesion. Thesis for Master of Science in Mathematical Sciences, <i>African Institute for Mathematical Sciences (AIMS)</i> , <i>Kigali, Rwanda</i> .
$Wu,\ Qiuyi.\ and\ Fokou\'e,\ E.\ (2017-2018).\ \mbox{Statistical Topic Modelling Methods for Music Mining and Improvisation Recognition}.\ Master of Science Thesis,\ RIT.$
Sanford, Roland and Fokoué, E. (2017-2018). On Some Probabilistic Concentration Inequalities for Algorithm-Dependent Bounds on the Generalization of Statistical Learning Machines. Master of Science Thesis, RIT.
Yang, Yidan and Fokoué, E. (2017-2018). State of the Methods for Statistical Face Recognition. Master of Science Thesis, RIT.
Wilcox, K. Tyler and Fokoué, E. (2015-2017). Bayesian Hidden Markov Topic Models. Master of Science Thesis, RIT.
Young, Jessica and Fokoué, E. (2016-2017). Predicting Cholera Positive Cases in Haiti. Master of Science Thesis, RIT.
Floyd, Calvin M. and Fokoué, E. and Hoffman, M. (2016-2017). Applying Multi-Resolution Stochastic Modeling to Individual Tennis Points. Master of Science Thesis, RIT.
$Wu,\ Qiuyi.\ and\ Fokou\'e,\ E.\ (2017-2018).\ \ Statistical\ Methods\ and\ Computation\ for\ Ensembles\ of\ Echo\ State\ Networks.\ Master\ of\ Science\ Thesis,\ RIT.$
${Lobato-Ramos,\ A.\ and\ Fokou\acute{e},\ E.\ (2015-2016).\ \ Random\ Adaptive\ Subspace\ Learning\ with\ Evolutionary\ Weights.\ Master\ of\ Science\ Thesis,\ RIT.}$
Olinto, G. and Fokoué, E. (2015-2016). Predicting Optimal Ranking in Rare Event Context. Master of Science Thesis, RIT.
$Houston,\ P.\ and\ Fokou\'e,\ E.\ (2015-2016).\ Derivation\ of\ some\ theoretical\ bounds\ on\ the\ generalization\ error\ in\ adaptive\ boosting.\ Master\ of\ Science\ Thesis,\ RIT.$
$Yang,\ S.\ and\ Fokou\acute{e},\ E.\ (2015-2016).\ \mbox{Optimal Music Genre and Artist Recognition from Noisy Audio Tracks.}\ Master of Science Thesis,\ RIT.$
$Wilcox,K.T.andFokou\acute{e},E.(2015\text{-}2016).\text{Adaptive Nonhomogeneous Ensemble Learning for Optimal Prediction}.MasterofScienceThesis,RIT.$
$Corsetti,\ M.\ and\ Fokou\acute{e},\ E.\ (2015\text{-}2016).\ Regularized\ Nonnegative\ Matrix\ Factorization\\ with\ Application\ to\ Image\ Classification.\ Master\ of\ Science\ Thesis,\ RIT.$
Bill, J. and Fokoué, E. (2013-2014). Statistical and Computational Characterization of Machine Learning Algorithms on High Dimensional Low Sample Size Big Data. Master of Science Thesis, RIT.

Yu, X. and Fokoué, E. (2013-2014). Efficient Bayesian Learning Approach to Probit Normal Correlated Models. Master of Science Thesis, RIT.
Liu, B. and Fokoué, E. (2013-2014). Regularized Minimum Covariance Determinant (RMCD) for ε -Contaminated on Large p small n data. Master of Science Thesis Project, RIT.
$Qahl,\ S.\ and\ Fokou\acute{e},\ E.\ (2013-2014).\ \ \mbox{A Text Mining Approach to the Determination of Sacred Texts Similarities}.\ Master of Science Thesis,\ RIT.$
Elshrif, M. and Fokoué, E. (2013-2014). Adaptive Random Subspace Learning for Efficient Optimal Predictive Ensembles on Large p small n data. Regular Research, RIT.
Cretekos, E. and Fokoué, E. (2012-2014). Comprehensive Analysis of Faculty Perception of Student Evaluation. Master of Science Thesis, RIT.
Zichen Ma and Fokoué, E. (2013-2014). Statistical Machine Learning Techniques for Audio Signal Processing with Application to Dialect/Accent Classification. Master of Science Thesis, RIT.
Ly, V. and Fokoué, E. (2013-2014). Frequentist Approximation of Bayesian Posterior Inclusion Probability via Stochastic Subsampling. Regular Research, RIT.
Ladage, A. and Grasman, S. and Fokoué, E. (2013-2014). Efficient Supply Chain Prediction by Combination of Machine Learning Techniques and Traditionional Optimization. Master of Science Thesis, Department of Industrial and Systems Engineering, RIT.
$Rollins,\ B.\ and\ Fokoué,\ E.\ (2012-2013).$ Predicting success in the National Football League - An in-depth look at the factors that differentiate the winning teams from the losing teams. Regular Research, RIT.
$Korach,\ N.\ and\ Fokou\'e,\ E.\ (2012-2013). \mbox{A Quantitative Analysis of Success Factors in the Association of Tennis Professionals}. \ Regular\ Research,\ RIT.$
$Hoff,B.\ and\ Fokou\acute{e},E.\ (2013-2014).\ Linear\ and\ Nonlinear\ Principal\ Component\ Analysis\ Methods\ for\ Highly\ Accurate\ Face\ Recognition\ .\ Regular\ Research,\ RIT.$
Jauhari, S. and Morankar, A. and Gündüz, N and Fokoué, E. (2013-2014). A Quantitative Analysis of Success Factors in the Association of Tennis Professionals. Regular Research, RIT.
Foehrenbach, D. and Fokoué, E. (2011-2012). On the optimal prediction of team performance in the NFL. Regular Research, RIT.