Nil-Jana Akpinar

Curriculum Vitae

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Education

since Aug 2018	**Ph.D. in Statistics and Data Science** (4.00/4.00) Carnegie Mellon University, Pittsburgh, PA
Oct 2015 - Jul 2018	**M.S. in Mathematics** (1.3/6.0)* University of Freiburg, Germany
Oct 2013 - Sep 2017	**B.S. in Economics** (1.5/6.0)* University of Freiburg, Germany
Oct 2012 - Sep 2015	**B.S. in Mathematics** (1.5/6.0)* University of Freiburg, Germany

Publications and Presentations

Akpinar, N.-J., Kratzwald, B., Feuerriegel, S. (2019) Sample Complexity Bounds for Recurrent Neural Networks with Application to Combinatorial Graph Problems, *arXiv:1901.10289*

Akpinar, N.-J., Feuerriegel, S. (2017) A Model-free Solver For Arbitrary Graph Problems: Predicting Solutions With Deep Learning, *INFORMS Annual Meeting, Houston, Texas. (Presented by S. Feuerriegel)*

Akpinar, N.-J., Alfano, S., Kersten, G., Yu, B. (2017). The Role of Sentiment and Cultural Differences in the Communation Process of e-Negotiations. *In: Schoop M., Kilgour D. (eds) Group Decision and Negotiation. A Socio-Technical Perspective. GDN 2017. Springer*, p.132-144.

Research Experience

Since Jul 2018	**Carnegie Mellon University**, *A.Chouldechova* Social bias in predictive policing
Since Dec 2018	**Carnegie Mellon University**, *A. Ramdas and U. Acar* Diderot: Learning from educational software data
Apr 2017 - Apr 2018	**University of Freiburg**, *S. Feuerriegel and S. Bartels* Heuristic solvers for graph problems based on deep neural networks (MS thesis)
Nov 2016 - Feb 2017	**University of Freiburg**, *D. Neumann and S. Alfano* Sentiment analysis and the role of culture in e-negotiations (BS thesis)

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*German grading system: 1.0 (excellent) - 6.0 (clear fail), 4.0 is lowest passing grade

Sep 2016 - Nov 2016	**Concordia University (Montreal, CA)**, *G. Kersten and B. Yu*
	Communication patterns in e-negotiations
Sep 2014 - Jan 2015	**University of Freiburg**, *A. Huber-Klawitter*
	p-adic number theory (BS thesis)

Teaching Experience

Fall 2019	**Topics course: Text Analysis**, *CMU*, TA
Spring 2019	**Advanced Data Analysis**, *CMU*, TA
Fall 2018	**Probability Theory for Computer Scientists**, *CMU*, TA
Spring 2018	**Intro. to Programming in C$_{++}$**, *Univ. of Freiburg*, TA
Fall 2016	**Management Informations Systems/Intro. to R**, *Univ. of Freiburg*, TA
Fall 2015	**Mathematics for Chemists**, *Univ. of Freiburg*, TA
Fall 2014	**Linear Algebra**, *Univ. of Freiburg*, TA
Spring 2014	**Intro. to Programming in C**, *Univ. of Freiburg*, TA

CMU Graduate Coursework

Fall 2019	**Advanced Introduction to Machine Learning**, *N. Shah*, 10-715
Fall 2019	**Advanced Statistical Theory II**, *A. Rinaldo*, 36-710
Spring 2019	**Statistical Machine Leaning**, *L. Wasserman*, 36-708
Spring 2019	**Advanced Statistical Theory I**, *A. Rinaldo*, 36-709
Spring 2019	**Advanced Data Analysis**, *V.Ventura*, 36-757
Fall 2018	**Statistical Computing**, *C. Genovese and A. Reinhardt*, 36-750
Fall 2018	**Indermediate Statistics**, *S. Balakrishnan*, 36-705
Fall 2018	**Regression Analysis**, *V.Ventura*, 36-707

Honors

Sep 2016 - Nov 2016	Research Visit Grant of the German National Academic Foundation
Mar 2013 - Aug 2018	Full Study Scholarship of the German National Academic Foundation
Jul 2012	Abitur Award of the German Mathematical Society
Jul 2012	Abitur Award for Economics of Südwestmetall

Skills

Languages	German (native), English (fluent, 116/120 TOEFL), French, Turkish and Spanish (elementary)
Computer	Python, R, C, LaTeX

University Service

Oct 2015 - Aug 2018	**Elected Member of the Faculty Council**, *School of Mathematics and Physics*, Univ. of Freiburg

Oct 2014 - Oct 2015	**Elected Member of the Senate**, Univ. of Freiburg
Apr 2013 - Aug 2018	**Member of the Student Council**, *Dep. of Mathematics*, Univ. of Freiburg
	Student member of the examination board (4 years), student member of faculty appointment committee, introduction of first-year students, etc.

September 25, 2019