

# ADAM KAPELNER

516-435-6795 ◊ kapelner@qc.cuny.edu ◊ (updated: June 12, 2022)

## EDUCATION

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**Wharton School of the University of Pennsylvania** May 2014  
Ph.D. in Statistics advised by Abba Krieger and Edward George

**Wharton School of the University of Pennsylvania** May 2012  
A.M. in Statistics advised by Dean Foster

**Stanford University** June 2006  
B.S. in Mathematical & Computational Science (with minors in Physics and Economics)

## ACADEMIC EMPLOYMENT

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**Queens College**  
Associate Professor of Mathematics Aug 2021 - present  
Director, Undergraduate Data Science and Statistics Program Aug 2019 - present  
Assistant Professor of Mathematics Aug 2014 - Jul 2021

**The Technion, Israel Institute of Technology** Jul 2018 - present  
Visiting Scholar, Faculty of Industrial Engineering & Management

## PATENTS PENDING

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**Systems and Methods for Treatment Selection #17/571,967** Filed Jan 2022  
(with Armstrong, Caitrin; Benrimoh, David; Fratila, Robert; Kleinerman, Akiva; Mehltrittter, Joseph; and Rosenfeld, Ariel)

## INDUSTRY EXPERIENCE

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**Data Science Private Consulting** June 2014 - Present

- Prediction modeling, data mining, statistical testing for a variety of clients from tech to real estate to finance e.g. Tesorio, Rubinstein Partners, JP Morgan

**Coatue** May 2019 - August 2019  
*Data Scientist* *New York, NY*

- Prediction modeling for financial applications

**DictionarySquared, Inc.** April 2010 - Dec 2018  
*Founder & CTO* *San Francisco, CA*

- Conceived and engineered a web app that teaches vocabulary via contextual snippets
- Wharton Business Plan Semifinalist Winner
- Applied and received federal grant money for research (see Grants section)

**Eventbrite, Inc.** April 2007- Aug 2007  
*Software Engineer* *San Francisco, CA*

- First engineer. Designed and engineered portions of their web platform.

Stanford University, Lab of Peter Lee  
Staff Scientist

June 2005 - Mar 2007  
Stanford, CA

- Conceived and engineered software that finds objects in images, used to find cells in microscopic images. Uses Java-R programming, Random Forests and image processing

## OPEN SOURCE SOFTWARE ON GITHUB

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|           |                                     |   |
|-----------|-------------------------------------|---|
| 56 ★ 23 📄 | R Package: bartMachine              | A flexible statistical learning suite               |
| 32 ★ 2 📄  | R Package: ICEbox                   | Visualization that helps explain how ML models work |
| 6 ★ 4 📄   | Java JAR: GemIdent                  | Finds objects in images using machine learning      |
|           | Java JAR: GemVident                 | Finds objects in videos using machine learning      |
|           | R Package: GreedyExperimentalDesign | A suite of better experimental designs              |
|           | R Package: CovBalAndRandExpDes      | Optimal rerandomization designs                     |
|           | R Package: PTE                      | Inference for personalized medicine models          |
|           | R Package: SeqExpMatch              | High-powered matching experimental designs          |
|           | R Package: YARF                     | A highly customizable predictive modeling suite     |
|           | R Package: SampleRepresCheck        | Assesses sample representativeness                  |
|           | R Package: optDesignSlopeInt        | Optimal designs for slope-to-intercept ratios       |

## OTHER SOFTWARE

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|                                 |  |
|---------------------------------|--|
| dictionaryquaredresearch.sc.edu | Teaches high school students vocabulary                                  |
| gradesly.com                    | Gives students grade transparency and helps professors administer grades |
| fireplacetorah.com              | Automatic student pair-matching for learning texts                       |

## TECHNICAL STRENGTHS

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|                    |  |
|--------------------|--|
| Software Languages | R, Java, Ruby on Rails, C++, Python, HTML/CSS/JS   |
| R Skills           | ggplot2, dplyr, data.table, mlr3, rJava, Rcpp, most ML packages  |
| Other Skills       | git, postgresSQL, MySQL, Linux, Gurobi, twilio messaging and voice APIs, grid computing, simulation, AWS |

## RESEARCH INTERESTS

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Data Science, Machine Learning, Experimental Design, Statistical Software, Crowdsourced Social Science Experiments, Biomedical Applications, Educational Technology

## PUBLICATIONS

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# citations:  $\approx$ 2,300; h-index: 15 and i10-index: 19 (see scholar profile)

### Methodology

- Krieger, A., Azriel, D., Sklar, M. & Kapelner, A. Improving the Power of the Randomization Test *in revision at Communications in Statistics — Theory and Methods, Arxiv* (link)
- Krieger, A., Azriel, D. & Kapelner, A. (2021) Better Experimental Design by Hybridizing Binary Matching with Imbalance Optimization *Canadian Journal of Statistics* (link)

- Kapelner, A., Sklar M., Krieger, A., & Azriel, D. (2021) Optimal Rerandomization via a Criterion that Provides Insurance Against Failed Experiments. *Journal of Statistical Planning and Inference* 219, 63–84 (link)
- Kapelner, A. & Krieger, A. (2021) A Matching Procedure for Sequential Experiments that Iteratively Learns which Covariates Improve Power *Biometrics* (link)
- Kapelner, A., Bleich, J., Levine, A., Cohen, Z. D., DeRubeis, R. J. & Berk, R. A. (2021) Evaluating the Effectiveness of Personalized Medicine with Software. *Frontiers in Big Data — Medicine and Public Health* 4 (8), 1–19 (link)
- Kapelner, A., Shalit, U., Krieger, A., Sklar, M. & Azriel, D. (2020) Harmonizing Optimized Designs with Classic Randomization in Experiments. *The American Statistician* 75 (2), 195–206 (link)
- Blanford, W. J., Jofat, D. & Kapelner, A. (2020). Solution Density Models as Functions of Sodium Chloride, Hydroxypropyl- $\beta$ -cyclodextrin, and Temperature (278.15–333.15 K) via Progressive Linear and Stepwise Regression. *Journal of Chemical & Engineering Data* 65 (10), 4735–4750 (link)
- Krieger, A., Azriel, D. & Kapelner, A. (2019) Nearly Random Designs with Greatly Improved Balance. *Biometrika* 106 (3), 695–70 (link)
- Kapelner, A., Krieger, A. & Blanford, W. J. (2016). Optimal Experimental Designs for Estimating Henry’s Law Constants via the Method of Phase Ratio Variation. *Journal of Chromatography A* 1468, 183–191 (link)
- Kapelner, A. & Krieger, A. (2014). Matching on-the-fly in Sequential Experiments for Higher Power and Efficiency. *Biometrics* 70 (2), 378–388 (link)
- Azriel, D., Kallus, N. & Kapelner, A. Optimal Regret Designs in a Sequential Trial. *in preparation for Biometrics*
- Krieger, A., Azriel, D. & Kapelner, A. Optimal Experimental Design for Incidence Endpoints *in preparation for JRSS-B*

### Machine Learning and Data Science

- Kapelner, A. & Bleich, J. (2016). `bartMachine`: Machine Learning with Bayesian Additive Regression Trees. *Journal of Statistical Software* 70 (4) (link)
- Kapelner, A. & Bleich, J. (2014). Prediction with Missing Data via Bayesian Additive Regression Trees. *Canadian Journal of Statistics* 43 (2) 224–239 (link)
- Bleich, J., Kapelner, A., George, E. I. & Jensen, S. T. (2014). Variable Selection Inference for Bayesian Additive Regression Trees. *Annals of Applied Statistics* 8 (3) 1750–1781 (link)
- Goldstein, A., Kapelner, A., Bleich, J. & Pitkin, E. (2014). Peeking Inside the Black Box: Visualizing Statistical Learning with Plots of Individual Conditional Expectation. *Journal of Computational & Graphical Statistics* 24(1), 44–65 (link)
- Bleich, J & Kapelner, A. (2014) Bayesian Additive Regression Trees With Parametric Models of Heteroskedasticity. *Arxiv* (link)
- Berk, R., Bleich, J., Kapelner, A., Henderson, J., Barnes, G., Kurtz, E. (2014) Using Regression Kernels to Forecast A Failure to Appear in Court *Arxiv* (link)
- Kapelner, A. YARF: A Fully-Flexible Non-Parametric Learning Suite *in preparation for Journal of Statistical Software*

## Crowdsourcing and Social Science

- Kapelner, A. & Weinberg, D. B. Do book consumers discriminate against Black, female, or young authors? *in press at PLoS One*
- Kapelner, A. & Weinberg, D. B. (2019) Do Readers Judge Books by Author Gender? Results from a Randomized Experiment. *Socius* 5 (link)
- Weinberg, D. B. & Kapelner, A. (2018) Comparing gender discrimination and inequality in indie and traditional publishing. *PLoS One* 13 (4) e0195298 (link)
- Schwartz, H. A., Eichstaedt, J., Blanco, E., Agrawal, M., Dziurzyński, L., Kern, M. L., Kapelner, A., Park, G., Jha, S., Stillwell, D., Kosinski, M. & Ungar, L. H. (2016) Predicting individual well-being through the language of social media. *Biocomputing: Proceedings of the Pacific Symposium* 516–527 (link)
- Chandler, D. & Kapelner, A. (2013) Breaking Monotony with Meaning: Motivation in Crowdsourcing Markets. *Journal of Economic Behavior & Organization*, 90: 123-133 (link)
- Kapelner, A., Kaliannan, K., Schwartz, H. A., Ungar, L. H. & Foster, D. P. (2012) New Insights from Coarse Word Sense Disambiguation in the Crowd. *CoLING* (link)
- Kapelner, A. & Chandler, D. (2010) Preventing Satisficing in Online Surveys. *Proceedings of CrowdConf* (link)

## Education Applications

- Adlof, A., Baron, L. S., Scoggins, J., Kapelner, A., McKeown, M. G., Perfetti, C., Miller, E., Soterwood, J. & Petscher, Y. (2019) Accelerating Adolescent Vocabulary Growth: Development of an Individualized, Web-based, Vocabulary Instruction Program. *Language, Speech, and Hearing Services in Schools* 50 (4): 579-595 (link)
- Kapelner, A., Nesaiver, S., Soterwood, J. & Adlof, A. (2018) Predicting Contextual Informativeness for Vocabulary Learning. *IEEE Transactions on Learning Technologies* 11(1) 13-26 (link)

## Biomedical Applications

- Kleinerman, A., Rosenfeld, A., Benrimoh, D., Fratila, R., Armstrong, C., Mehlretter, J., Shneider, E., Yaniv-Rosenfeld, A., Karp, J., Reynolds, C.F., Turecki, G & Kapelner, A. (2021) Treatment selection using prototyping in latent-space with application to depression treatment PLOS ONE 16(11): e0258400 (link)
- Benrimoh, D., Israel, S., Fratila, R., Armstrong, C., Perlman, K., Rosenfeld, A. & Kapelner, A (2021) Editorial: ML and AI Safety, Effectiveness and Explainability in Healthcare. *Frontiers in Big Data* 4, 1–54 (link)
- Bleich, J., Cole, B., Kapelner, A., Baillie, C. A., Gupta, R., Hanish, A., Calgua, E., Umscheid, C. & Berk, R. (2021) Using Random Forests with Asymmetric Costs to Predict Hospital Readmissions *medrxiv* (link)
- Mehlretter, J., Fratila, R., Benrimoh, D.A., Kapelner, A., Perlman, K., Snook, E., Israel, S., Miresco, M. & Turecki, G. (2020) Differential Treatment Benefit Prediction For Treatment Selection in Depression: A Deep Learning Analysis of STAR\*D and CO-MED Data *Computational Psychiatry* 4, 61–75 (link)

- Clarke, G. P. & Kapelner, A. (2020) The BART Formula for Safe Machine-Learning Based IOL Predictions. *Frontiers in Medicine* 3 (46) 1–10 (link)
- Schoeler, N., Bell, G., Yuen, A., Kapelner, A., Heales, S. J. R., Cross, J. H. & Sisodiya, S. (2017) Acetyl carnitine and association with response to ketogenic dietary therapies. *Epilepsia* 58 (5), 893-900 (link)
- Kapelner, A. & Vorsanger, M. (2015) Starvation of Cancer via Induced Ketogenesis and Severe Hypoglycemia. *Medical Hypotheses*, 84(3): 162–168 (link)
- Chang, A. Y., Bhattacharya, N., Mu, J., Setiadi, A. F., Carcamo-Cavazos, V., Lee, G. H.; Simons, D. L., Yadegarynia, S., Hemati, K., Kapelner, A., Zheng, M., Krag, D. N., Schwartz, E. J., Chen, D. Z. & Lee, P. P. (2013) Spatial organization of dendritic cells within tumor draining lymph nodes impacts clinical outcome in breast cancer patients. *Journal of translational medicine*, 11(1): 242 (link)
- Setiadi, A. F.; Ray, N. C., Kohrt, H. E., Kapelner, A., Carcamo-Cavazos, V., Levic, E. B., Yadegarynia, S., van der Loos, C. M., Schwartz, E. J., Holmes, S. & Lee, P. P. (2010) Quantitative, architectural analysis of immune cell subsets in tumor-draining lymph nodes from breast cancer patients and healthy lymph nodes. *PloS one*, 5(8): e12420 (link)
- Holmes, S., Kapelner, A. & Lee, P. P. (2009) An interactive java statistical image segmentation system: Gemident. *Journal of Statistical Software*, 30(10): 1–20 (link)
- Kapelner, A., Lee, P. P. & Holmes, S. (2007) An interactive statistical image segmentation and visualization system. *in proceedings of IEEE, Medivis* (link)

## GRANTS AWARDED

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- Israel-USA Binational Science Foundation (BSF)** 2019-2023  
 More Powerful Experiments via Harmonizing Classic Randomization with Modern Optimization, 2018112, \$167,000 Co-PI
- PSC CUNY** 2019-2020  
 A Natural Field Experiment on Race and Gender Discrimination in the Gig Economy, TRADB-50-65, \$6,000
- MQ Foundation** May 2017 - Jul 2018  
 The Stratified Medicine Approaches for Treatment Selection Mental Health Prediction Tournament, \$3,200 • Winner of tournament
- PSC CUNY** 2017-2018  
 Optimal Experimentation: Trading Randomization for Balance, TRADA-48-469, \$3,500
- MQ's Psy-IMPACT** Nov 2014 - Dec 2018  
 • Served as an expert consultant and investigator to the grant
- U.S Dept. of Education, Inst. of Educational Science** Sept 2013 - Aug 2018  
 Grant #R305A130467, \$1,500,000, PI: Suzanne Adlof, University of South Carolina. I cowrote and served as the expert consultant to the grant.

## GRANTS IN REVIEW

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|   |             |
|---|-------------|
| <b>ONR N00014-20-S-F003</b> , \$3.97M Co-PI   | 2023 - 2027 |
| Malign Information Operations, Narrative Resonance, and the Fracturing of American Identity                                     |             |
| <b>NSF Environmental Engineering program PD 20-1440</b> , \$422K  | 2023 - 2026 |
| Impact, Analysis, and Advanced Modeling of Miscible Displacement Transport Studies of Monoaromatic Compounds in Sandstone Cores |             |

## GRANTS APPLIED

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|  |             |
|--|-------------|
| <b>ONR N00014-20-S-F005</b> (applied 2020), \$750K Co-PI                             | 2021 - 2024 |
| Data Science as Pathway to Naval Careers for Diverse Students at CUNY Queens College |             |
| <b>NSF PD18-1269</b> (applied 2018), \$500K Co-PI                                    | 2019 - 2023 |
| More Powerful Experiments via Harmonizing Classic Randomization with Optimization    |             |
| <b>PSC CUNY</b> (applied 2015) TRADA-47-330, \$2500                                  | 2016        |
| Demonstrations of Inference for Personalized Medicine Treatment Models               |             |

## HONORS AND AWARDS

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|  |                       |
|--|-----------------------|
| Certificate for Highly Cited Research in the Journal of Economic Behavior and Organization | Jan 2017              |
| National Science Foundation Graduate Research Fellowship                                   | May 2010 - April 2013 |
| J. Parker Bursk Memorial Award for Excellence in Research                                  | Dec 2013              |
| Donald S. Murray Award for Excellence in Teaching  | Dec 2012              |
| Intel Science Talent Search Semifinalist   | Jan 2002              |

## FORMAL PRESENTATIONS AND TALKS

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|   |          |
|---|----------|
| Kapelner A., Harmonizing Fully Optimal Designs with Classic Randomization in Experiments, Harvard University, Applied Statistics Lecture Series     | Feb 2020 |
| Kapelner A., Harmonizing Fully Optimal Designs with Classic Randomization in Experiments, Design & Analysis of Experiments Conference               | Oct 2019 |
| Kapelner A., Harmonizing Fully Optimal Designs with Classic Randomization in Experiments, Atlantic Causal Inference Conference                      | May 2019 |
| Kapelner A., Harmonizing Fully Optimal Designs with Classic Randomization in Experiments, Wharton Statistics Faculty Seminar                        | Mar 2019 |
| Kapelner A., Harmonizing Fully Optimal Designs with Classic Randomization in Experiments, Economics Dept Seminar, Queens College                    | Feb 2019 |
| Kapelner A., Harmonizing Fully Optimal Designs with Classic Randomization in Experiments, <i>EMR-IBS, '18, Jerusalem, Israel</i>                    | Dec 2018 |
| Kapelner A., Harmonizing Fully Optimal Designs with Classic Randomization in Experiments, Haifa University Statistics Faculty Seminar               | Oct 2018 |
| Kapelner A., Harmonizing Fully Optimal Designs with Classic Randomization in Experiments, Tel Aviv University Statistics Faculty Seminar            | Oct 2018 |
| Kapelner A., Harmonizing Fully Optimal Designs with Classic Randomization in Experiments, Hebrew University of Jerusalem Statistics Faculty Seminar | Oct 2018 |

Kapelner A., Harmonizing Fully Optimal Designs with Classic Randomization in Experiments, Weizmann Institute of Science Statistics Faculty Seminar Oct 2018

Kapelner A., Personalized Medicine Inference via the R Package PTE, Industrial Engineering and Management Seminar, the Technion July 2018

Kapelner A., Personalized Medicine Modeling with Survival and Incidence Endpoints *TSIL, '18, London, England* Jun, 2018

Kapelner A., Personalized Medicine Inference and Machine Learning via the R Packages PTE & YARF *TSIL 1/2 Day Workshop, '18, London, England* Jun, 2018

Kapelner, A., Weighted Matching on-the-fly: Improved Sequential Allocation with Higher Power and Efficiency *SAE '18 Shanghai, China* Jun, 2018

Kapelner A., Weighted Matching on-the-fly: Improved Sequential Allocation with Higher Power and Efficiency, Technical Seminar, Amazon Inc. June 2018

Kapelner, A., Starving Cancer through Induced Ketogenesis *QC Biology Symposium* Jan, 2018

Kapelner, A., YARF: A Fully Customizable Non-Parametric Regression Toolbox *The Technion, seminar series* Jul, 2017

Kapelner, A., Weighted Matching on-the-fly: Improved Sequential Allocation with Higher Power and Efficiency *The 6th International Workshop in Sequential Methodologies (IWSM '17 Rouen, France)* Jun, 2017

Kapelner, A., Predicting Contextual Informativeness for Vocabulary Learning *Kasisto, Inc. seminar series* Nov, 2016

Kapelner, A., Optimal experimental designs for estimating Henry's law constants via the phase ratio method *ACS National Meeting* Aug, 2016

Clarke, G., Hill, W., Kapelner, A. Data-Driven IOL Calculations *Amer. Society of Cataract and Refractive Surgeons Annual Meeting* May, 2016

Kapelner, A., Inference for Personalized Medicine Models *UPenn Treatment Lab* June, 2016

Kapelner, A., Better Experiments on MTurk? NYU Statistics Seminar May, 2016

Jensen, S., Kapelner, A., Variable Selection with Bayesian Additive Regression Trees. ENAR Mar, 2015

Kapelner, A., Experiments via Crowdsourcing: A New Platform for Social Science Research? Economics Dept Seminar, Queens College Feb 2015

Kapelner, A., Better Randomization via Greedy Pair Switching *IMS China* Jul, 2015

Kapelner, A., Ungar L. Crowdsourcing for Statisticians. *JSM*, Continuing Education Course Aug 2013

Kapelner, A., Chandler D. Preventing Satisficing in Online Surveys. *CrowdConf* Oct 2010

Wieland, K., Fitzgerald, J., Kapelner, A. Contextual Vocabulary Analysis Processes. *National Reading Conference* Dec 2009

## INFORMAL PRESENTATIONS AND TALKS

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Episode 109 - Experimental Design *Local Max (Data Science Podcast)* Mar 9, 2020

The Data Science & Statistics Mathematics Major Option at QC *NYC Tech Talent Pipeline Conference* May 14, 2018

Predicting Informativeness from Context *QC Math Club* Feb 5, 2018

## TEACHING EXPERIENCE

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### Queens College, City University of New York

|  |                    |
|--|--------------------|
| Math 369/690.3 (Statistical Inference)                           | Aug 2020 - present |
| Math 342W/650.4 (Data Science and Machine Learning Fundamentals) | Jan 2018 - present |
| Math 368/621 (Advanced Probability)                              | Aug 2017 - present |
| Math 341/650.3 (Bayesian Modeling)                               | Feb 2016 - present |
| Math 241 (Probability and Statistics)                            | Aug 2014 - present |

### Wharton School of the University of Pennsylvania

|   |                       |
|---|-----------------------|
| Stat 422/722 (Predictive Analytics)   | Jan 2017 - Feb 2017   |
| Stat 101 (Probability and Statistics)   | May 2011 - July 2011  |
| Teaching Assistant for Stat 101 (Probability and Statistics) and Statistics 102 (Linear Regression) | Sept 2009 - June 2010 |
| Teaching Assistant for Stat 613 (Required Statistics course for MBA students)                       | Sept 2013 - Dec 2013  |
| Teaching Assistant for Stat 112 (Statistical Inference)   | Jan 2014 - Jun 2014   |

## NEW COURSES DEVELOPED

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### Queens College, City University of New York

|  |                     |
|--|---------------------|
| Math 369 (Statistical Inference)                           | Sept 2020 - present |
| Math 368 (Advanced Probability)                            | Sept 2019 - present |
| Math 342W (Data Science and Machine Learning Fundamentals) | Jan 2018 - present  |
| Math 341 (Bayesian Modeling)                               | Feb 2016 - present  |

## UNDERGRADUATE PROGRAMS DEVELOPED

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### Queens College, City University of New York

|  |                     |
|--|---------------------|
| Data Science & Statistics Option for the BA in Mathematics (with Chris Hanusa and Alan Sultan) | Sept 2018 - present |
| Actuarial Studies Track in the MA in Risk Management (with Cara Marshall)                      | Jan 2018 - present  |
| Data Science & Statistics Speaker Series   | Feb 2019 - present  |

## GRADUATE STUDENT MENTORING EXPERIENCE

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### Studies in Predicting Monotonic Breakout Curves using Machine Learning

|                                     |                             |
|-------------------------------------|-----------------------------|
| Kennly Weerasinghe (Masters thesis) | Spring, 2021 - Summer, 2022 |
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## UNDERGRADUATE STUDENT MENTORING EXPERIENCE

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### Studies in Applications of Predictive Analytics to Social Media Phenomena

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|-------------------------------|-----------------------------|
| Namisha Singh (Honors thesis) | Winter, 2021 - Spring, 2022 |
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|---|---|
| <b>Studies in Missing Data in Random Forests</b><br>Abhinav Patil   | Summer, 2020 - Fall, 2021                   |
| <b>An Algorithm for Automatic Convergence of Random Forests</b><br>Rebecca Horowitz                       | Summer, 2020                                |
| <b>Studies in Optimal Experimental Design</b><br>Abhinav Patil  | Spring, 2020                                |
| <b>A Nonparametric Bayesian Model for Extreme Events</b><br>Bracha Blau                                   | Fall, 2018                                  |
| <b>Studies in Fully Customizable Tree Models</b><br>Ashok Rao   | Spring, 2018                                |
| <b>Optimal Experimental Design</b><br>Bracha Blau   | Spring, 2018                                |
| <b>A Nonparametric Bayesian Model for Extreme Events</b><br>Evangeline Spzylka                            | Summer, 2017 - Spring, 2018                 |
| <b>Personalized Medicine Models for Survival</b><br>Alina Levine<br>and Xin Ling Luang (local HS student) | Summer, 2016 - Spring, 2018<br>Summer, 2016 |
| <b>Deep Learning for Image Segmentation</b><br>Christian Colon and Stefan Hernandez                       | Spring, 2016 - Spring, 2017                 |
| <b>Predicting Congressmens' Party Affiliation</b><br>Savvas Tjortjoglou                                   | Spring, 2016                                |
| <b>Web Application Engineering for Social Science Experimentation</b><br>Rikki Katz (Honors thesis)       | Spring, 2015                                |
| <b>Studies in Real Analysis</b><br>Elliot Gangaram  | Spring, 2015                                |

## DEPARTMENTAL SERVICE

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| <b>Position</b>                               | <b>dates</b> |
|---|--------------|
| Data Science & Statistics Option Advisor      | 9/19-present |
| Coaching and Interviewing Adjunct Instructors | 9/19-present |
| Hiring Committee                              | 9/17-present |
| Mathematics Minor Advisor                     | 1/17-present |
| Mathematics Curriculum Committee              | 6/16-present |
| Learning Outcomes Committee                   | 1/16-present |
| Faculty Development Committee                 | 1/16-present |

## COLLEGE SERVICE

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| <b>Position</b> | <b>dates</b> |
|-----------------|--------------|
| Academic Senate | 6/16-present |

## PROFESSIONAL SERVICE (REVIEW WORK)

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| <b>Journal (or Organization)</b>                                  | <b>Year</b> |
|---|-------------|
| Journal of the American Statistical Association                   | 2022        |
| Statistical Science   | 2022        |
| Statistics in Medicine  | 2022        |
| Computational Statistics & Data Analysis                          | 2022        |
| Journal of the American Statistical Association                   | 2021        |
| PSC CUNY Grant for Statistics Research                            | 2021        |
| Computational Statistics & Data Analysis                          | 2021        |
| Journal of Agricultural, Biological, and Environmental Statistics | 2021        |
| Open Statistics   | 2020        |
| INFORMS Journal on Computing                                      | 2020        |
| International Statistical Review                                  | 2020        |
| Biometrika  | 2019        |
| Journal of the American Statistical Association                   | 2019        |
| PSC CUNY Grant for Statistics Research                            | 2019        |
| Annals of Applied Statistics                                      | 2019        |
| PLoS One  | 2019        |
| Journal of Educational & Behavioral Statistics                    | 2018        |
| Neural Networks   | 2018        |
| IEEE Access   | 2018        |
| PLoS One  | 2018        |
| The R Journal   | 2018        |
| PSC CUNY Grant for Statistics Research                            | 2018        |
| Journal of the American Statistical Association                   | 2017        |
| Statistical Analysis and Data Mining                              | 2017        |
| PSC CUNY Grant for Statistics Research                            | 2017        |
| PLoS One  | 2016        |
| The R Journal   | 2016        |
| Statistical Analysis and Data Mining                              | 2016        |
| International Journal of Approximate Reasoning                    | 2016        |
| Journal of the Royal Statistical Society (Series B)               | 2015        |
| Statistics in Medicine  | 2015        |
| Bayesian Analysis   | 2014        |
| Medical Hypothesis  | 2014        |
| Journal of Cancer Research & Therapy                              | 2014        |
| Annals of Applied Statistics                                      | 2013        |
| Transactions of the Association for Computational Linguistics     | 2013        |
| National Science Foundation                                       | 2010        |