Fangfang Lee

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Education

New York University Graduate School of Arts and Sciences May 2018

Master of Arts in Statistics

Relevant coursework: Machine Learning, Causal Inference, Classification and Clustering, Scientific Programming, Computational Cognitive Modeling

Cumulative GPA: 3.56

New York University College of Arts and Sciences

Bachelor of Arts in Psychology and Philosophy May 2016

Cumulative GPA: 3.54

Relevant Experience

Turnaround for Children & Mindfulness Education Lab May 2017—present

Research & Data Associate *New York, New York*

- Perform classification algorithms such as decision tree, support vector machines, and Naïve Bayes to predict the success rate of digital learning tools for school children.
- Design randomized experiments and implement regression analysis that investigates various novel methods to help underprivileged students enhance academic performance.
- Employ causal inference methods to evaluate quantitative data and recommend actionable strategies for improving both students' academic outcomes and classroom climates.
- Lead weekly meetings with Turnaround staff and supervise research assistants at Mindfulness Lab.
- Implement natural language processing and sentiment analysis using Python to interpret interview data.

New York University January 2017—present

Teaching Assistant in Statistics *New York, New York*

- Teach undergraduate courses in Statistics for the Behavioral Sciences in the Psychology Department.
- Work in teams with other graduate teaching assistants in designing courses and syllabi.
- Develop lesson plans in advanced topics such as regression discontinuity, Bayesian vs. Frequentist statistics and Analysis of Variance (ANOVA).
- Improved the student-rated overall effectiveness of learning from 3.5 to 4.7 and accessibility of instructor from 3.7 to 4.5.

Icahn School of Medicine at Mount Sinai September 2016—May 2017

Neuroimaging Data Analyst *New York, New York*

- Inspected the correlation between cortical inflammation and symptoms of depression using neuroimaging analytic tool AFNI.
- Helped build predictive models on identifying biomarkers for neural inflammation using data collected from and processed by AFNI.
- Examined the construct validity, consistency and reliability of survey instruments and metrics administered to participants suffer from depression.
- Preprocessed, cleaned and performed quality check on fMRI results of 80 participants.
- Compiled and performed literature reviews on clinical neuroscience articles.

Skills & Certificates

- Analytics Tools/Languages: R, Python, Stata, SPSS, Bash, SAS, AFNI, MATLAB
- Experience: Machine Learning, Experiment and Research Design, Regression, Predictive Modeling, ANOVA, Time Series Analysis, Clustering and Classification
- Certificates: Data Science Certificate Program (General Assembly), Deep Learning (Coursera)
- Hobbies: Weightlifting, Body Building Competition (Bikini Division), Rock Climbing, Reading