

Addison Hu

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Education

- 2013–present Yale University, New Haven, CT.
- Bachelor of Science, Statistics; Expected Graduation May 2017; Cumulative GPA: 3.89
 - My current interests include computationally efficient methods optimizing over large-scale data sets and high-dimensional estimation of precision matrices.

Experience

- 2016–2017 Research Assistant, Yale Statistics, New Haven, CT.
- Implementing approximations to second-order optimization algorithms in distributed settings
 - Studying risk bounds for estimation of bandable precision matrices.
- Summer 2016 Data Scientist, OnCorps, Cambridge, MA.
- Authored internal R library to rapidly and faithfully visualize classification trees via D3.js, with integration into core products and services
 - Built pipelines for data aggregation, cleanup, and analysis in R and Python
 - Developed and maintained internal and client-facing dashboards in R Shiny to monitor product engagement rates and outcomes
- 2015–2016 Research Assistant, Yale Institute for Network Science, New Haven, CT.
- Wrote pruning and local clustering algorithms based on novel research (C++)
 - Data cleanup and analysis in R and Python
- 2015–present Teaching Fellow, Yale Depts of Computer Science: Statistics, New Haven, CT.
- Currently I hold office hours for STAT 230, an introduction to the R statistical language through applications in inference, simulation, model selection, k -means, PCA, and other methods.
 - Serving in a teaching and grading role for 'Computational Tools for Data Science', covering optimization, dimensionality reduction, clustering, dictionary learning, matrix factorization, large-scale data, etc., with applications in Python and Spark.
 - Provided supplementary instruction for 'Introduction to Information Systems', taught in R and Python

Technical Skills

Proficient R, Python, Spark (Scala), Linux, \LaTeX , SQL
Basic C, Git, MongoDB

Personal Interests

Film photography, skateboarding, cooking