Alec Stashevsky

alecstashevsky.com

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Experience

Research Associate | NERA Economic Consulting — 9/2020 - Present

- Act as data scientist performing statistical modelling and economic analysis for high-stakes litigation involving structured finance, bankruptcy, cryptocurrencies, and mass torts. Build algorithms and financial models to estimate damages and predict the performance of complex financial instruments. Use a variety of programming languages to identify fraud and negligent risk management practices for Fortune 500 companies, SEC, DOJ, and FINRA.

Research Analyst | The Cadmus Group — 11/2019 - 9/2020

- Utilize statistical modeling, data analysis, and machine learning to uncover consumer insights and make business recommendations for diverse energy industry clients. Primary analyst evaluating demand-side management programs, including a $600k+ randomized control trial on smart thermostat direct load-control. Forecast electric vehicle diffusion and develop deliverable dashboards for stakeholders using R Shiny. Build models to forecast demand elasticity and potential energy reduction.

Data Scientist (Contract) | Kyrgies — 10/2019 - 7/2020

- Led a project investigating optimal advertising strategies for an online retailer by supplementing Google Analytics and operational data to perform Geo-spatial analysis, market research, and ultimately lead generation.

Data Scientist Intern | KWM Wealth Advisory — 7/2019 - 10/2019

- Developed an interactive dashboard to help financial advisors navigate bear markets and contextualize historical data using R Shiny.

Teaching Assistant | Reed College — 8/2016 - 12/2018

- Evaluate coursework and tutor for Probability, Statistics, Linear Algebra, and Economics classes. Provide coding support for R.

Systems Administrator | IRN Realty — 6/2013 - 7/2015

- Manage all IT systems across two locations, LAN/WAN/NOC/NAS Administration. Coordinate business-wide IT projects and a team of up to 6 people. Manage 100+ workstations, network infrastructure, VPNs protocols, servers, MFPs, and PBX phone systems.

Education

Reed College, B.A. in Mathematics-Economics — Class of 2019

    Commendation of Excellence — 2016, 2017, 2018

San Marino High School — Class of 2015

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Publications and Research

Estimation of the Carbon Footprint Associated With Attendees of the American Psychiatric
    Association Annual Meeting. *JAMA Network Open.* 2021;4(1):e2035641.
      doi:10.1001/jamanetworkopen.2020.35641   1/2021

Domestic Remittance in China: Rural—Urban Migration's Trail of Inequality.   5/2019
    Chinese Institute of Income Distribution, Beijing Normal University and Reed College.
    Advised by Heather Kitada, PhD and Nicholas Wilson, PhD.
      doi:10.13140/RG.2.2.19035.90405

Open-Source Development

Author and maintainer of **blocklength**, an R package for optimizing the block-length   1/2021 - Present
    parameter of a dependent bootstrap procedure (the block-bootstrap). Available on
    CRAN and at my GitHub.

Organizations

Group for the Advancement of Psychiatry (GAP), Climate Committee   6/2020 - Present
    GAP is a think tank of top psychiatric minds whose thoughtful analysis and
    recommendations serve to influence and advance modern psychiatric theory and practice.
    I serve as a resident statistician supporting climate-related research.

Skills & Abilities

Statistical Programming and Data Analysis
    R, Python, SQL (Apache Hive/PostgreSQL), STATA, SAS, Excel, Apache Spark,
    Git (GitHub/GitLab), Git Bash, Google Analytics, Google Search Console

Office Suites & Typesetting
    Microsoft Office 365, G Suite, (R)markdown, LaTex

IT Administrative
    SharePoint, Microsoft Server, Symantec Deep Freeze, Norton Ghost, Clonezilla

Relevant Projects & Coursework

Markov Chain Monte Carlo (MCMC) Metropolis-Hastings Algorithms for Bayesian Estimation   5/2018

Gibbs Samplers to Address The Change-point Problem   5/2018

Presentation: "TPP in Reality: Inequality and Labor Force Regulations"   5/2018