Sho Miyazaki

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Data scientist with self-taught R (6 years), SQL (4 years), and Python (3 years). Strong in causal inference, statistical modeling, and scalable data pipelines. Committed lifelong learner who consistently masters new technologies independently. Disciplined team player skilled at translating complex analyses for non-technical audiences.

Experience

Stanford Graduate School of Business Predoctoral Research Fellow (Jul 2023 – Jun 2025)

Innovative Causal Inference of Corporate Voting System with Novel Large-scale Blockchain Records

- Provide a first empirical political science study of blockchain-based voting system in a high-stakes setting
- Collect and analyze data from over 250,000 voters and 1,700 proposals across 18 crypto projects ("DAOs")
- Find that creating online delegation hubs significantly increases overall voting rates with diff-in-diff design
- Collaborate with Optimism (blockchain builder) to disseminate the findings for governance improvement
- Design an experiment to test the causal effect of new delegation features on voting behavior
- Full paper under review and non-technical summary available via a16z crypto (venture capital) research library

Gerrymandering with Sequential Monte Carlo Algorithm

- Conduct a systematic empirical analysis to estimate the partisan bias of the 2022 Japanese Lower House redistricting plans using the Japanese Census geographical shapefiles
- Apply a state-of-the-art redistricting simulation algorithm to generate 5,000 alternative nonpartisan redistricting plans for 220 electoral districts across all 25 prefectures subject to the redistriciting
- Share the actionable recommendations with a member of the Japanese redistricting committee
- Provide insights about district planning through Nikkei Business article
- Full paper under review and public dataset available along with source codes for public use

Massive Data-wrangling with SQL

- Query GitHub's public archive of timelines containing 3.8 billion activities across 1.2 billion organizations
- Analyze how the governance structure of open-source software projects affects the communuty engagement

NTT Urayasu D-Rocks Professional Rugby Remote Assistant Data Scientist (Mar 2022 – May 2023)

Distilling quantitative analyses for non-technical audiences Onsite Assistant Data Analyst (Feb – Apr 2020)

- Delivered data-driven strategic insights and tactical recommendations to coaching staff
- Developed the statistical models for player recruiting and multi-year strategy building
- Autonomously designed and deployed interactive R Shiny dashboards to monitor live-season metrics

Keio University Rugby Football Club (Varsity) Data Analyst (Apr 2019 – Dec 2022)

Team player with strong interpersonal and communication skills with dicipline cultivated as a Taiiku-kai student

- Engaged with diverse stakeholders and built trusting relationships with coaches and players
- Directed quantitative analysis focusing on defense systems, collaborating with qualitaitve insights from coaches
- Took the initiative to lead the data analysis team and mentored junior members
- Designed and implemented a data pipeline to automate the data collection and analysis process

Education

Keio University Bachelor of Laws (2019 – 2023)
Major in Political Science and Certified Minor in Humanities (Art Criticism, with a focus on Japanese Literature)

Skills

- **Computers**: R, Python, SQL, Stata, Git, GIS, LaTeX, Bash, Solidity.
- **Languages**: Japanese, English.