Naoko Ishibashi

Data Analyst

naoko.i@alumni.upenn.edu | (646) 525-5171
LinkedIn - https://www.linkedin.com/in/naoko-ishibashi/
GitHub - https://naokoi0408.github.io/Portfolio/

EDUCATION

University of Pennsylvania, Philadelphia, PA 09/2021 - 08/2024
Data Analytics & Social Sciences, Bachelor of Applied Arts and Sciences
Cumulative GPA: 3.98/4.0 | Honors: Summa Cum Laude, Bread Upon the Waters Scholarship
Relevant Coursework: Statistical Analysis, Advanced Data Analysis, Database Design, Storytelling with Data

TECHNICAL SKILLS and CERTIFICATIONS

Programming Languages: R, Java, SQL, Python
Platform/Tools: R Studio, IntelliJ, Visual Studio Code, GitHub, MS Office (Word, Excel, PowerPoint)
Databases: MariaDB, MySQL
Project Management: GitHub Projects, GitHub Issues
Certifications: Introduction to Database and SQL (Great Learning) 06/2024

WORK EXPERIENCE

Senior Grooming – Philadelphia, Pennsylvania 08/2023 – Current
Data Analyst and Programmer

- Led demographic analysis in R, identifying three key consumer segments for Business Strategy decision-making.
- Preserved sensitive customer data integrity with checks, reducing discrepancies by 30% and enhancing trust.
- Collaborated with a marketing team of 5 to optimize customer experience through a reservation system.
- Designed and deployed Java API with SendGrid, automating 80% of transactional business emails.

PROJECTS

Diabetes Statistical Research Analysis 10/2024

- Analyzed 20,000 rows, the clone size-mutation correlation through hypothesis testing, finding significant results.
- Assessed V-gene usage consistency across six donors with bar graphs, finding higher values in diabetes disease.
- Identification of clone size-mutation relationships in healthy vs. type 1 diabetes, interpretation of finding a 3.444-fold increase in mean clone size suggests a potential risk prediction factor for type 1 diabetes.

Regression Analysis in Base R 12/2023

- Examined voter sentiment in the 2020 US National Election Survey (8,280 respondents) using regression.
- Executed multivariate techniques to identify three key demographics and develop targeted campaign strategies.
- Revamped data cleaning methods, reducing errors by 15% and enhancing data visualization clarity.

R-Shiny 05/2023

- Created a Shiny app analyzing attendance trends and school crime effects for 209 Philadelphia schools.
- Developed a set of intuitive filters within the R-Shiny app for 209 Philadelphia schools, facilitating user-driven rankings by attendance and allowing seamless interaction with diverse school-type datasets.
- Built predictive models linking school crimes to attendance, achieving forecasting accuracy up to 94.9%.
- Optimized data processing by integrating SQL and geospatial tools in R, boosting efficiency by 40%.

SQL 04/2023

- Assessed salary growth trends in companies with 1,000+ employees, integrating race and social factors.
- Processed 430,000+ rows of occupational employment data using SQL and R, ensuring clean data.
- Extracted insights from SQL queries, creating data visualizations to support informed decision-making.

Permanent Resident (Green Card Holder)