AKIO KAKISHIMA
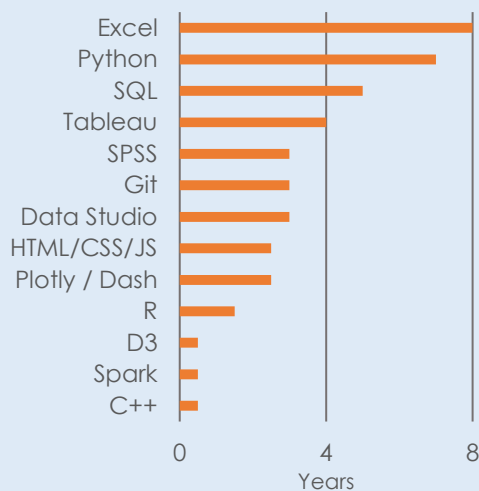*Certified Data Scientist*

- github.com/akiokaki
- linkedin.com/in/akio-kakishima/
- akiokakishima.com

PROGRAMMING/SOFTWARE

Bar chart of years of experience:
- Excel: ~8
- Python: ~7
- SQL: ~5
- Tableau: ~4
- SPSS: ~3
- Git: ~3
- Data Studio: ~3
- HTML/CSS/JS: ~2.5
- Plotly / Dash: ~2.5
- R: ~1.5
- D3: ~0.5
- Spark: ~0.5
- C++: ~0.5

(X-axis: Years, 0 – 4 – 8)

CERTIFICATIONS
- Microsoft Certified: Azure AI Fundamentals
- Online Marketing Foundations (2018)
- Strategic Data Storytelling – University of Chicago (2022)
- Docker for Data Scientists
- Japanese Language Proficiency Test N1 (Business)

COURSES
- Applied Machine Learning
- Data Analysis, Manipulation
- Data Mining
- Data Visualization
- Natural Language Processing (NLP)
- Networks
- Stats and Data Analysis

LEADERSHIP

Organization	Role	Time
SEED Consulting	Project Manager	6 months
Data 4 Good	Founder/ Data Consultant	6 months

EXPERIENCE

Accenture
Data Science Consultant – (12/2021 - Present)
Tags: Python, SQL, Network Analysis, Tableau, Business Development, DevOps, Project Management

- Recovered $50M+ in financial reconciliation issues across multiple payor-side healthcare providers using Python and SQL.
- Uncovered $680M+ in fraudulent insurance benefits for a governmental client through efficient, client-ready code, and constant partnership with the stakeholders.
- Utilized Python/Jupyter Notebook and SQL to perform statistical analysis, as well as end-to-end data quality checks.
- Lead a team of four FTEs across US and India to manage feature development and implementation.

Publicis Sapient / Razorfish
Associate Data Scientist – (6/2019 – 12/2021)
Tags: Python, SQL, Google Cloud Services, Data Studio, Tableau, Excel, Google Campaign Manager, Adobe Analytics

- Lowered cloud computing cost by 72.6% by replacing an efficient process with a lightweight pipeline.
- Saved the account roughly 15 hours a month on data ETL by utilizing Google Functions and Pub/Sub.
- Increased visibility of KPI for clients by building Google Data Studio and Tableau dashboards by using custom SQL queries.
- Modeled conversion projections in Python, from autoregressions to multiple linear models depending on data constraints.
- Raised awareness of upper funnel marketing channels to client by running statistical analysis in Python, and presenting it using Tableau.
- Supported media implementation team by running statistical analysis on path to conversion reports.
- Created a Twitter sentiment tracker using VADER that monitored the health of the client's Twitter mentions.

Voxel51
Data Scientist (Contractor) – (5/2019-6/2019)
Tags: Image detection, Convolutional Neural Network, Google Maps API

- Implemented a convolutional neural network that automatically identified street signs from images using Python.
- Automated data collection by fetching 100K street image data using Google Maps Streetview API.

Michigan Medicine, Pediatric-Cardiology Dept.
Programmer/Analyst – (5/2018-9/2018)
Tags: SQL, ASP.NET, C#, Python, Tableau

- Increased accuracy of patient data by 6% by cleaning up the database in SQL.
- Assisted a resident heart surgeon in planning patient visitation schedules by building a choropleth in Tableau and Python.

EDUCATION

University of Michigan – Ann Arbor, MI
- **M.S. in Information- Big Data Analytics**
  School of Information – 2019
  Graduate Certificate for Data Science
  GPA: 3.54
- **B.S. in Biopsychology, Cognition, and Neuroscience (BCN)**
  School of Literature, Science and the Arts – 2014
  GPA: 3.31

PROJECTS

Dynamic Topic Modeling for NPOs
Tags: Neural Network, KNN, Regression, LDA, DTM, Pandas, PDF parsing

- Ran Dynamic Topic Modeling on 15.5 MB of reports published by non-profit organizations, using *gensim,* adding more data to the Data4Good Center.
- Executed a host of regression models (Dummy, KNN, and Neural Network) using *sklearn,* on token topic distribution, being the first of its kind to run regression on topic modeling.