(647) 771-4261
Toronto, Canada
asim.datye@gmail.com

Asim Datye

Data Scientist / Biostatistician

linkedin.com/in/asimdatye

My personal goal is to work in a company where data informs every important decision from R&D to commercialization. Having worked on academia and in the pharmaceutical industry, I have a good understanding of the drug development pipeline from discovery to submission. I hope to bring this experience to fruition in an industry role in healthcare consulting, pharma or public health.

Skills

Tools and Languages	R/RShiny/RMarkDown, Python, Jupyter Notebooks, SAS, SQL, Google Cloud Platform, Git
Quantitative Research	Survival Analysis, Clinical Trial Design, Regression Techniques, Machine Learning

Technical Experience

MANUFACTURING DATA SCIENTIST **FEB 2022 — Present**
Hoffmann-La Roche / Genentech *Toronto, Ontario*

- Built & tested ML models in Python/GCP (random forest, lin. reg, xgboost) improving yield by 2% equivalent to $3M product/year
- Identified drivers of higher drug potency and purity using a combination of lasso, multi-target regression in Python

STATISTICAL SCIENTIST **MAY 2019 — Present**
Hoffmann-La Roche / Genentech *Toronto, Ontario*

- Designed protocols, statistical analysis plans for pivotal trials, advising clinical colleagues in solid tumor oncology and immunology
- Led Data Sciences (biostatistics, data management, statistical programming) teams to deliver key clinical trial results to FDA/EMA, safety monitoring committees, and conferences
- Discovered a link between baseline patient-reported outcomes & survival in Non-Hodgkin's Lymphoma, publishing results in AACR/Cancer Medicine
- Provided statistical expertise & programmed an RShiny dashboard for Bayesian dose escalation in early phase pediatric studies

LECTURER **APR 2021 — MAY 2021**
Bay River College *Remote*

- Taught biostatistics principles to students interested in clinical research, created and graded assignments

DATA CURATOR **DEC 2018 — MAY 2019**
Ontario Neurodegenerative Disease Research Initiative (ONDRI) *Toronto, Ontario*

- Eliminated 50% of manual cleaning, curating and packaging of retinal images from Heidelberg machine by using R

STATISTICAL SUPPORT **OCT 2018 — MAY 2019**
Baycrest Rotman Research Institute *Toronto, Ontario*

- Developed an ML diagnostic tool to predict dementia diagnosis achieving a maximum accuracy of 70%

Education

Master of Science in Biostatistics, *University of Toronto* 2019
Bachelor of Applied Science in Chemical Engineering, *University of Toronto* 2018
Summer Research Semester, National University of Singapore 2015
Dean's Admission Scholarship, University of Toronto 2013

Activities

Founder & Co-President, Skule Badminton Club 2013-2018
Co-President, Galbraith Society 2014-2018