Nicholas Putney
Wageningen, The Netherlands
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EDUCATION

UNIVERSITY OF GENEVA, Geneva, Switzerland *September 2022 - September 2024*
Master of Science in Statistics
GPA: 5.20/6.00

SUNY PLATTSBURGH, Plattsburgh, NY, USA *August 2018 - May 2022*
Bachelor of Science in Biochemistry
Minor: Mathematics
GPA: 3.89/4.00

RELEVANT EXPERIENCES

PhD Candidate at Wageningen University *Start: September 2025*

- Project titled: *Causal learning and inference for nutrition and biological ageing*.
- Integrated within the groups of Mathematical and Statistical Methods and Nutritional Biology.

Scientific Assistant, Swiss Tropical and Public Health Institute *November 2024 - August 2025*

- Extracted and processed different routine data sources
- Developing methodology for estimating the impact of malaria interventions using routine surveillance data.
- Embedding dynamical models of malaria transmission within a statistical framework.
- Collaboration with researchers at MSF France and the Chadian National Malaria Control Program to better address needs of the population.
- Building an R package to facilitate the application of the methodology to diverse geographies.

Masters Thesis, Swiss Tropical and Public Health Institute *February 2024 - August 2024*

- Estimated the effectiveness of a malaria intervention (SMC) in Chad using dynamical modelling and Bayesian inference methods.
- Assessed the impact of alternative deployment schedules of the intervention on the malaria burden in Chad.
- Collaborated with researchers at MSF to better understand data collection procedures.
- Defended the thesis titled: *Quantifying and Optimizing the Impact of Seasonal Malaria Chemoprevention in Chad*.

Statistics Tutor, University of Geneva *February 2023 - May 2024*

- I did private tutoring for several (4 total, across two different semesters) students for an introductory statistics course titled "Introduction à la Statistique" offered at the University of Geneva.

Summer Undergraduate Research Program, UCLA *Summer 2021*

- Conducted multi-omic data analysis using PCR, PLSR, and regression techniques.
- Developed scripts for data analysis and visualization.
- Presented research titled: *Regression Analysis Reveals Pathways to Maximize Ferroptosis Sensitivity in Uveal Melanoma*.

Computational Biology REU, University of Georgia *Summer 2020*

- Investigated cancer susceptibility in different body regions through regression analysis.
- Analyzed gene expression data using R.
- Presented findings on *Understanding Cancer Occurrence Rates Across Different Organs*.

Research Assistant in Computational Biochemistry, SUNY Plattsburgh *Spring 2020 - 2021*

- Studied cardiac myosin binding protein C, significant for cardiac function.
- Utilized protein folding and unfolding simulation programs.

AWARDS AND HONORS

Mathematics Scholars Award - SUNY Plattsburgh *May 2022*
Outstanding Research Award - UCLA BIG Summer *August 2021*
Hudson Scholarship Achievement Award - SUNY Plattsburgh *May 2021*
Undergraduate Research Award - SUNY Plattsburgh *May 2021*

CONFERENCES AND PRESENTATIONS

Swiss Meeting for Infectious Disease Dynamics - Allschwil, Switzerland - Participant *August 30th, 2024*
Swiss TPH Malaria Speedtalks - Allschwil, Switzerland - Presenter *September 17th, 2024*
Scientific Day - Epicentre - Paris, France - Participant *May 23, 2024*

LANGUAGES

English: Native
French: B2 Proficiency
Nepali: A2 Proficiency