Seth D. Temple

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EDUCATION

PhD, MS, Statistics, University of Washington 09/19 - Present

- Dissertation Committee: Sharon Browning (head), Elizabeth Thompson, Amy Willis, Kelley Harris
- NDSEG Fellow, NIH Predoctoral Trainee in Statistical Genetics
- Departmental service: social chair (2 years), reading mentor (2 years), admissions reviewer

BS, Mathematics, University of Oregon 09/14 – 06/18

- *Summa cum laude*, Phi Beta Kappa, Departmental Honors, Presidential Scholar
- Thesis Committee: Chris Sinclair, Peter Ralph, Samantha Hopkins

WORK EXPERIENCE

Research Technician II, Fred Hutch Cancer Center; Howard Hughes Medical Institute 06/23 – 09/23

- Project with Matsen group on evolutionary dynamics of antibody affinity maturation

Graduate Research Assistant, University of Washington 09/20 – Present

- Developing methods to study recent evolution in human populations
- Studying patterns of identity-by-descent in families affected by Alzheimer's (ADSP FUS)
- Extending FLARE method for local ancestry inference

Instructor of Record, University of Washington

- BIOST 550 (Sp22): Statistical Genetics I: Mendelian Traits
- BIOST 581 (W23): Statistical Genetics Journal Club

Graduate Research Assistant, Los Alamos National Laboratory 06/20 – 09/20

- Advised by Dr. Kimberly A. Kaufeld
- Constructed spatiotemporal occupancy models for vector epidemiology
- Applied maximum entropy modeling for mosquito species distribution mapping

Teaching Assistant, University of Washington 09/19 – 06/20, 07/22

Actuarial Assistant, Liberty Mutual Insurance 07/18 – 08/19

- Performed reserving analyses for the leading global surety
- Developed SQL/SAS code to query claims database
- Passed actuarial exams (MAS I, P, and FM)

Research Assistant, University of Oregon 02/18 – 06/18

- Built neural nets in Python to predict punctuation for audio recordings
- Trained *keras* models with graphical processing units

Teaching Assistant, University of Oregon AU16, SP17, WI18

Actuarial Intern, Liberty Mutual Insurance 06/17 – 09/17

- Created choropleth maps with R to visualize effects of a spatial smoothing algorithm

Math Tutor, University of Oregon 09/14 – 06/17

PAPERS

Temple, S.D., Manore, C.A. & Kaufeld, K.A. Bayesian time-varying occupancy model for West Nile virus in Ontario, Canada. *Stoch Environ Res Risk Assess* (2022). https://doi.org/10.1007/s00477-022-02257-4

Gorris, M.E., Bartlow, A.W., Temple, S.D. et al. Updated distribution maps of predominant Culex mosquitoes across the Americas. *Parasites & Vectors* 14, 547 (2021). https://doi.org/10.1186/s13071-021-05051-3

SKILLS

Software: Python, R, Excel, Unix, SQL, qsub (experienced); C++, Java, SAS, slurm (intermediate)

Languages: English (first), German (moderate fluency), Spanish (limited proficiency)