

# Seth D. Temple

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## EDUCATION

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- 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
- 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

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- Research Technician II; Fred Hutch Cancer Research Center* 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
- 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, Math Tutor; University of Oregon* 09/14 – 04/18
- Actuarial Intern; Liberty Mutual Insurance* 06/17 – 09/17

## PAPERS

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- 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>
- Horimoto, Andrea R. V. R., Lisa A. Boyken, Elizabeth E. Blue, Kelsey E. Grinde, Rafael A. Nafikov, Harkirat K. Sohi, Alejandro Q. Nato Jr, et al. 2023. "Admixture Mapping Implicates 13q33.3 as Ancestry-of-Origin Locus for Alzheimer Disease in Hispanic and Latino Populations." *HGG Advances* 4 (3): 100207.

## SKILLS

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Software: Python, R, Excel, Unix, SQL, qsub (experienced); C++, Java, SAS, slurm (intermediate)  
Languages: English (first), German (moderate fluency), Spanish (limited proficiency)