

## EDUCATION

**Master of Science in Statistics** May 2021

College of Science, Utah State University, Logan, UT

**Thesis:** “Regionalized Models with Spatially Continuous Predictions at the Borders”

<https://doi.org/10.26076/f25f-3104>

**Data Science Graduate Certificate** May 2017

School of Computing, University of Utah, Salt Lake City, UT

**Bachelor of Science in Mathematics, Minor in Biology** May 2015

College of Science, Utah Valley University, Orem, UT

## PROFESSIONAL EXPERIENCE

**Biostatistician I** May 2021 - Present

Varley Lab,

Huntsman Cancer Institute, Salt Lake City, UT

**Research Assistant** Jan 2020 - May 2021

**Teaching Assistant** Aug 2019 - Dec 2019

Department of Mathematics and Statistics,

Utah State University, Logan, UT

**Research Analyst** Jun 2017 - Aug 2019

Division of Clinical Pharmacology,

University of Utah School of Medicine, Salt Lake City, UT

## TECHNICAL SKILLS

R	○○○○○	Bash / HPC	○○○
C++	○○○	LaTeX	○○○
Python	○○	JavaScript / D3	○○○
MATLAB	○○	HTML / CSS	○○
SAS	○	Git	○○

## JOURNAL ARTICLES

**Wagstaff, J.** & Bean, B. (2023). remap: regionalized models with spatially smooth predictions. *The R Journal*, 14(4), 160-178. <https://doi.org/10.32614/RJ-2023-004>

**Wagstaff, J.S.**, Durrant, R.J., Newman, M.J., Eason, R., Ward, R.M., Sherwin, C.M., & Enioutina, E.Y. (2019). Antibiotic treatment of suspected and confirmed neonatal sepsis within 28 days of birth: a retrospective analysis. *Frontiers in Pharmacology*, 10, 1191. <https://doi.org/10.3389/fphar.2019.01191>

Becker, S.M., Job, K.M., Lima, K., Forbes, T.J., **Wagstaff, J.**, Tran, N.K., Sherwin, C.M., Nelson, D.S., Johnson, M.D., & Rower, J.E. (2019). Prospective study of serum and ionized magnesium pharmacokinetics in the treatment of children with severe acute asthma. *European Journal of Clinical Pharmacology*, 75(1), 59-66. <https://doi.org/10.1007/s00228-018-2557-7>

## WORKING PAPERS

**Wagstaff, J.S.**, Bean, B., Wheeler, J., Maguire, M., & Sun, Y. Adaptive mapping of design ground snow loads in the conterminous United States. *Journal of Structural Engineering*. (Submitted.)

Bean, B., Maguire, M., **Wagstaff, J.S.**, Wheeler, J., Al-Rubaye, S., Jarman, S., Rogers, M., & Sun, Y. Site specific calculations of reliability-targeted design snow loads for the United States. *Journal of Structural Engineering*. (In preparation.)

## TECHNICAL REPORTS

Bean, B., Maguire, M., Sun, Y., **Wagstaff, J.**, Al-Rubaye, S.A., Wheeler, J., Jarman, S., & Rogers, M. (2021). The 2020 national snow load study (paper 276). *Utah State University, Mathematics and Statistics Faculty Publications*. <https://doi.org/10.26077/200k-pr86>

## SOFTWARE

**Wagstaff, J.**, Bean, B. (2021). remap: regional spatial modeling with continuous borders. *The Comprehensive R Archive Network (CRAN)*. <https://github.com/jadonwagstaff/remap>

**Wagstaff, J.** (2018). sboost: machine learning with AdaBoost on decision stumps. *The Comprehensive R Archive Network (CRAN)*. <https://github.com/jadonwagstaff/sboost>

## ABSTRACTS AND PRESENTATIONS

**Wagstaff, J.S.**, Newman, M., & Enioutina, E.Y. (2019). Empiric treatment of neonatal early-onset sepsis: a retrospective analysis of the University of Utah Hospital cases [Abstract 43]. *Clinical Pharmacology in Drug Development*, 8(S1), 30. (Created poster for the 2019 meeting of the American College of Clinical Pharmacology, Chicago, IL.)

Yellepeddi, V., **Wagstaff, J.S.**, & Constance, J.E. (2019). A physiologically-based pharmacokinetic model for intravenous voriconazole in pediatric patients with and without cancer [Abstract 119]. *Clinical Pharmacology in Drug Development*, 8(S1), 85–86.

**Wagstaff, J.S.**, Eason, R., Newman, M., Sherwin, C.M., & Enioutina, E.Y. (2018). Characterization and treatments of neonatal late-onset sepsis: a retrospective analysis of the Univ of Utah Hosp cases [Abstract 114]. *Clinical Pharmacology in Drug Development*, 7(S1), 89–90. (Created and presented poster for the 2018 meeting of the American College of Clinical Pharmacology, Bethesda, MD.)

## AWARDS AND HONORS

**Graduate Student Research in Excellence** 2020, 2021  
Department of Mathematics and Statistics,  
Utah State University, Logan, UT

**Graduate Student Computational Expertise** 2020  
Department of Mathematics and Statistics,  
Utah State University, Logan, UT

SEE ALSO <https://jadonwagstaff.github.io>