

Wesley Brooks

I'm a number-crunching bicyclist gardener Alaskan sailor who's ABD in Wisconsin and looking to return to the Pacific Northwest.

I care about technology, the environment, human welfare and happiness (the order changes daily!) My current research focus is nonparametric spatial statistics and local modeling - for instance: what factors are predictors of the poverty rate for a given county in the state of Wisconsin, and are those factors different from other parts of the state and country?

Statistics is special because of its focus on inference and observation. How do we know that we know what we know? That's statistics. Also: what do we not know? And which is more important to predicting the consequences of our actions?

I'm passionate about reproducible research, design, and communicating effectively through visualizations.

Education

- Ph.D. Statistics, University of Wisconsin-Madison, 2015.
- M.S. Statistics, University of Wisconsin-Madison, 2011.
- B.S. Electrical Engineering & Math, University of Alaska-Fairbanks, 2007.

Employment

- U.S. Geological Survey. Middleton, WI. Graduate Research Assistant. 2010-present.
- University of Wisconsin-Madison. Madison, WI. Graduate Student. 2009-present.
- Boreal Controls. Juneau, AK. Electrical Engineer-in-Training. 2003-2009.

Journal Articles

- Brooks, Wesley R and Fienen, Michael N and Corsi, Steven R. (2013). "Partial least squares for efficient models of fecal indicator bacteria on Great Lakes beaches." *Journal of Environmental Management*. **114** 470-475.
- 2013:
- 2013:

Presentations

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