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Degrees:

BS 1972 (physics), Hampden-Sydney College

MS 1988 (statistics), PhD 1990 (statistics), University of Washington

Academic Experience:

University of Washington, Department of Statistics. Teaching Assistant, Research Assistant, and Instructor, 1986-1990.

University of Chicago, Department of Statistics. NSF Postdoctoral Fellow, 1990-1991.

University of Minnesota, School of Statistics. Assistant Professor, 1990-1995. Associate Professor, 1995-2000. Professor, since 2000.

University of Minnesota, Minnesota Center for Philosophy of Science. Resident Fellow, since 2009.

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Honors:

The paper Shaw, Geyer, Wagenius, Hangelbroek, and Etterson (2008) has been given the 2009 Presidential Award of the American Society of Naturalists. This award is for the best paper published in *The American Naturalist* during the calendar year preceding the President's term of office.

Ph. D. Thesis:

Geyer, C. J. (1990). Likelihood and Exponential Families. Ph. D. Thesis, Department of Statistics, University of Washington. <http://purl.umn.edu/56330>.

Publications:

Geyer, C. J. and Thompson, E. A. (1988). Gene survival in the Asian wild horse (*Equus przewalskii*): I. Dependence of gene survival in the Calgary breeding group pedigree. *Zoo Biology*, **7**, 313-327.

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Al-Dhalimy, H., and Geyer, C. J. (2016). Surreal Time and Ultratasks. *Review of Symbolic Logic*, **9**, 836–847.

Submitted:

Geyer, C. J. and Meeden, G. D. Bayesian asymptotics with locally asymptotically normal likelihood and discontinuous priors. Submitted to *Bayesian Analysis*.

Eck, D. J., Geyer, C. J., and Cook, R. D. An Application of Envelope Methodology and Aster Models. Submitted to *Scandinavian Journal of Statistics*.

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Geyer, C. J. (2006). Correlated Child Nodes in Aster Models Technical Report No. 653. School of Statistics, University of Minnesota. <http://www.stat.umn.edu/geyer/aster/>.

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Shaw, R. G., Geyer, C. J., Wagenius, S., Hangelbroek, H. H., and Eterson, J. R. (2007). Supporting Data Analysis for “Unifying Life History Analysis for Inference of Fitness and Population Growth”. Technical Report No. 658. School of Statistics, University of Minnesota. <http://www.stat.umn.edu/geyer/aster/>.

Shaw, R. G., Geyer, C. J., Wagenius, S., Hangelbroek, H. H., and Eterson, J. R. (2007). More Supporting Data Analysis for “Unifying Life History Analysis for Inference of Fitness and Population Growth”. Technical Report No. 661. School of Statistics, University of Minnesota. <http://www.stat.umn.edu/geyer/aster/>.

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- Geyer, C. J., and Shaw, R. G. (2008). Commentary on Lande-Arnold Analysis. Technical Report No. 670. School of Statistics, University of Minnesota. <http://purl.umn.edu/56218>.
- Geyer, C. J., and Shaw, R. G. (2009). Model Selection in Estimation of Fitness Landscapes. Technical Report No. 671 (revised). School of Statistics, University of Minnesota. <http://purl.umn.edu/56219>.
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Eck, D., Shaw, R. G., Geyer, C. J., and Kingsolver, J. (2015). Supporting Data Analysis for “An Integrated Analysis of Phenotypic Selection on Insect Body Size and Development Time”. Technical Report No. 698 (revised). School of Statistics, University of Minnesota. <http://hdl.handle.net/11299/172272>.

#### R Packages on CRAN:

Geyer, C. J. (2017). R package `aster` (Aster Models). Current version 0.9-1 (2017-03-15). <http://www.stat.umn.edu/geyer/aster/> and <http://cran.r-project.org/package=aster>

Geyer, C. J. (2017). R package `aster2` (Aster Models). Current version 0.3 (2017-03-26). <http://www.stat.umn.edu/geyer/aster/> and <http://cran.r-project.org/package=aster2>

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Geyer, C. J. and Johnson, L. T. (2017). R package `mcmc` (Markov Chain Monte Carlo). Current version 0.9-5 (2017-04-16). <http://www.stat.umn.edu/geyer/mcmc/> and <http://cran.r-project.org/package=mcmc>

Geyer, C. J. (2016). R package `nice` (Get or Set UNIX Niceness). Current version 0.4-1 (2016-11-28). <http://www.stat.umn.edu/geyer/nice/> and <http://cran.r-project.org/package=nice>

Meeden, G., Lazar, R., and Geyer, C. J. (2017). R package `polyapost` (Simulating from the Polya Posterior). Current version 1.4-3 (2017-03-15). <http://cran.r-project.org/package=polyapost>

Geyer, C. J. (2017). R package `pooh` (Partial Orders and Relations). Current version 0.3-2 (2017-03-27). <http://www.stat.umn.edu/geyer/pooh/> and <http://cran.r-project.org/package=pooh>

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Sheng, J., Qiu, P., and Geyer, C. J. (2017). R package `TSHRC` (Two Stage Hazard Rate Comparison). Current version 0.1-5 (2017-03-27). <http://cran.r-project.org/package=TSHRC>

Geyer, C. J. and Meeden, G. D. (2017). R package `ump` (Uniformly Most Powerful Tests). Current version 0.5-8 (2017-03-27). <http://www.stat.umn.edu/geyer/fuzz/> and <http://cran.r-project.org/package=ump>

#### R Packages on Github:

Geyer, C. J. (2017). R package `bar` (Demo Regression Models). Current version 0.4 (2017-02-19) <https://github.com/cjgeyer/bar>

Geyer, C. J. (2017). R package `baz` (Demo Calling BLAS or LAPACK from C Called from R). Current version 0.3 (2017-01-29). <https://github.com/cjgeyer/mat>

Geyer, C. J. and Sung, Y. J. (2014). R package `bernor` (Bernoulli Regression with Normal Random Effects). Current version 0.3-9 (2014-05-20). <https://github.com/cjgeyer/bernor>

Geyer, C. J. (2017). Github repo `foo`, which contains two R packages `foo` (version 0.5, 2017-02-11) and `fooRegister` (version 0.7, 2017-03-09) illustrating calling C and Fortran functions from R and using the R random number generator system in C called from R. Both do exactly the same thing but the latter also illustrates how to register native routines as per Sections 5.4 and 6.15 of Writing R Extensions. <https://github.com/cjgeyer/foo>

Geyer, C. J. (2017). Github repo `linkingTo`, which contains two R packages `foompter` (version 0.5, 2017-03-09) and `goompter` (version 0.5, 2017-03-09) illustrating calling C functions in one from C functions called from R in the other. <https://github.com/cjgeyer/linkingTo>

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