

BIOGRAPHICAL SKETCH

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NAME Eric D. Foster	POSITION TITLE		
eRA COMMONS USER NAME (credential, e.g., agency login)	Visiting Assistant Professor		
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	MM/YY	FIELD OF STUDY
Rochester Institute of Technology; Rochester, NY	B.S.	05/07	Bioinformatics
Rochester Institute of Technology; Rochester, NY	M.S.	05/07	Bioinformatics
The University of Iowa; Iowa City, IA	Ph.D.	12/12	Biostatistics

A. Personal Statement

B. Positions and Honors

Positions and Employment

- 2012- Visiting Assistant Professor, College of Public Health, Department of Biostatistics, Clinical Trials Statistical and Data Management Center; University of Iowa, Iowa City, IA
- 2011-2012 Graduate Research Assistant, Computational Epidemiology Group, Internal Medicine, and Microbiology; University of Iowa, Iowa City, IA
- 8/10-9/10 Instructor, College of Public Health, Department of Biostatistics; University of Iowa, Iowa City, IA
- 9/09-12/09 Co-instructor, College of Public Health, Department of Biostatistics; University of Iowa, Iowa City, IA

Fellowship

- 8/10-5/11 Fellowship, Merck Biostatistics Scholar; College of Public Health, Department of Biostatistics; University of Iowa, Iowa City, IA

Awards

- 8/09-7/10 University-wide Outstanding Teaching Assistant Award
- 5/02 Mark Twain Scholar

C. Selected Peer-reviewed Publication

Publications

1. Foster, E.D., Yang, M., Polgreen, P.M., and Cavanaugh, J.E. (2011). A time series analysis to investigate the relationship between acute myocardial infarction incidence and influenza activity. *Biometric and Medizinische Informatik Greifswalder Seminarberichte*, 18, 22-39.
2. Cavanaugh, J.E. and Foster, E.D. Odds. In *Encyclopedia of Research Design*, edited by N. Salkind. Sage Publications, Thousand Oaks, California, 2010.
3. Cavanaugh, J.E. and Foster, E.D. Margin of Error. In *Encyclopedia of Research Design*, edited by N. Salkind. Sage Publications, Thousand Oaks, California, 2010.
4. Cavanaugh, J.E. and Foster, E.D. Likelihood Ratio Statistic. In *Encyclopedia of Research Design*, edited by N. Salkind. Sage Publications, Thousand Oaks, California, 2010.
5. Foster, E.D. (2008). Review of Introduction to Bioinformatics, by Tramontano, A. *The American Statistician*, 62.3, 268-269.

Presentations

1. Foster, E.D. and Cavanaugh, J.E. (2012). State-Space Time Series Clustering Using Discrepancies Based on the Kullback-Leibler Information and the Mahalanobis Distance. International Conference on Nonlinear Problems in Aviation and Aerospace 2012 Congress, Vienna, Austria. (Invited, July 2012).
2. Foster, E.D. and Cavanaugh, J.E. (2012). State-Space Time Series Clustering Using Discrepancies Based on the Kullback-Leibler Information and the Mahalanobis Distance. Eastern North American Region of the International Biometric Society Spring Meeting, Washington, D.C. (Contributed, Apr. 2012).
3. Foster, E.D., Cavanaugh, J.E., and Polgreen P.M. (2011). Clustering of U.S. Cities Based on Mortality from Inuenza and Pneumonia. International Society for Disease Surveillance Conference, Atlanta, Georgia. (Contributed, Dec. 2011).
4. Fairchild, G., Segre, A.M., Rushton, G., Foster, E.D., and Polgreen, P.M. (2012). Comparing Various methods for Sentinel Surveillance Site Placement. International Society for Disease Surveillance Conference, Atlanta, Georgia. (Contributed, Dec. 2011).
5. McCarty, T.M., Segre, A.M., Foster, E.D., and Polgreen, P.M. (2012). Alcohol Related Arrests and Emergency Room Admission Rates. International Society for Disease Surveillance Conference, Atlanta, Georgia. (Contributed, Dec. 2011).
6. Simmering, J, Yang, C., Polgreen, L., Foster, E.D., and Polgreen, P.M. (2012). Detecting ADRs with Google Insights/Letters to the Editor. International Society for Disease Surveillance Conference, Atlanta, Georgia. (Contributed, Dec. 2011).
7. Cavanaugh, J.E., Foster, E.D., Yang, M., and Polgreen, P.M. (2011). A Time Series Analysis to Investigate the Relationship between Acute Myocardial Infarcation Incidence and Inuenza Activity. 4th International Conference on Risk Analysis, Limmosol, Cyprus. (Invited, May 2011).

D. Research Support

(pending)