

May 2010

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EDUCATION:

1971 B.S., Mathematics, Niagara University
1972 M.A., Statistics, SUNY/Buffalo
1975 Ph.D., Statistical Sciences, SUNY/Buffalo (Dissertation: "The Efficient Estimation of Stationary Multiple Time Series Mixed Models: Theory and Algorithms," E. Parzen director).

ACADEMIC APPOINTMENTS:

2002– Dean, College of Science, and Professor of Statistics, Texas A&M University
2001-2002 Interim Dean, College of Science, and Professor of Statistics, Texas A&M University
1998–2000 Executive Associate Dean, College of Science, and Professor of Statistics, Texas A&M University
1990–97 Professor and Head of Statistics, Texas A&M University
1989–90 Visiting Professor of Statistics, Carnegie–Mellon University
1988– Professor of Statistics, Texas A&M University
1983–88 Associate Professor of Statistics, Texas A&M University
1978–83 Assistant Professor of Statistics, Texas A&M University
1977–78 Visiting Assistant Professor of Statistics, SUNY/Buffalo
1975–77 Research Assistant Professor of Statistical Science and Technical Specialist Department of Surgery, SUNY/Buffalo

AWARDS AND HONORS:

1995 Elected Fellow of American Statistical Association.
1986, 1998 Association of Former Students Distinguished Teaching Award for College of Science, Texas A&M University
2005 Association of Former Students Distinguished Achievement Award in Administration, Texas A&M University

PROFESSIONAL SERVICE

- American Co-Editor of *Computational Statistics* 1998–
- Editor, *Stata Journal* 2001–

- President of the board of the *Interface Foundation of North America* and host and organizer of 1992 Interface Symposium.

Books

- Newton, H. J. (1988). “TIMESLAB: A Time Series Analysis Laboratory.” Wadsworth & Brooks/Cole, Pacific Grove, California.
- Newton, H. J. and J.L. Harvill (1997). “StatConcepts: A Visual Tour of Statistical Ideas.” Duxbury Press, Pacific Grove, California.

Selected Papers

- Newton, H. J. (1978). The information matrix of the parameters of multiple mixed time series, *Journal of Multivariate Analysis*, **8**, 317–323.
- Newton, H. J. (1980). Efficient estimation of multivariate moving average autocovariances. *Biometrika*, **67**, 227–231.
- Newton, H. J. and Pagano, M. (1981). On the stationarity of multiple autoregressive approximants: theory and algorithms. *Journal of Statistical Computation and Simulation*, **13**, 195–208.
- Newton, H. J. (1982). On using periodic autoregressions for multiple spectral estimation. *Technometrics*, **24**, 109–116.
- Makridakis, S., Andersen, A., Carbone, R., Fildes, R., Hibon, M., Lewandowski, R., Newton, J., Parzen, E., and Winkler, R. (1982). The accuracy of extrapolation (time series) methods: results of a forecasting competition. *Journal of Forecasting*, **1**, 111–153.
- Newton, H. J. and Pagano, M. (1983). Finite memory prediction of covariance stationary time series. *SIAM Journal of Scientific and Statistical Computing*, **4**, 330–339.
- Newton, H. J. and Pagano, M. (1983). A method for determining periods in time series. *Journal of American Statistical Association*, **78**, 152–157.
- Newton, H. J. and Parzen, E. (1984). Forecasting and time series model types of economic time series. In “Major Time Series Methods and Their Relative Accuracy”, by S. Makridakis, et. al., Wiley, 267–287.
- Newton, H. J. and Pagano, M. (1984). Asymptotic confidence bands for autoregressive spectra. *Biometrika*, **71**, 197–202.
- Ensor, K. and Newton, H. J. (1988). The effect of order estimation on estimating the peak frequency of an autoregressive spectral density. *Biometrika*, **75**, 587–589.
- Newton, H. J., North, G. R., and Crowley, T. J. (1991). Forecasting global ice volume. *Journal of Time Series*, **12**, 255–265.
- Newton, H.J. (1993). Graphics for Time Series Analysis. In *Handbook of Statistics, Vol 9.*, Ed. C.R. Rao, North-Holland, Amsterdam, 803–823.
- Ha, E. and Newton, H.J. (1993). The Bias of Estimators of Causal Spatial Autoregressive Processes, *Biometrika*, **80**, 242–245.
- Carroll, R.J., Chen, R., George, E., Li, T.H., Newton, H.J., Schmiediche, H., and Wang, N. (1997). Trends in ozone exposure in Harris County, Texas, *Journal of American Statistical Association*, **92**, 392–404.
- Hrafnkelsson, B. and Newton, H. J. (2000). Asymptotic simultaneous confidence intervals for vector autoregressive spectra, *Biometrika*, **87**, 173–182.

Current Research Support

- 2000–2007 Co-PI and executive director of NSF funded Information Technology in Science Center for Teaching and Learning (\$10,000,000 total funding)