The Stata Journal

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The *Stata Journal* publishes reviewed papers together with shorter notes or comments, regular columns, book reviews, and other material of interest to Stata users. Examples of the types of papers include 1) expository papers that link the use of Stata commands or programs to associated principles, such as those that will serve as tutorials for users first encountering a new field of statistics or a major new technique; 2) papers that go "beyond the Stata manual" in explaining key features or uses of Stata that are of interest to intermediate or advanced users of Stata; 3) papers that discuss new commands or Stata programs of interest either to a wide spectrum of users (e.g., in data management or graphics) or to some large segment of Stata users (e.g., in survey statistics, survival analysis, panel analysis, or limited dependent variable modeling); 4) papers analyzing the statistical properties of new or existing estimators and tests in Stata; 5) papers that could be of interest or usefulness to researchers, especially in fields that are of practical importance but are not often included in texts or other journals, such as the use of Stata in managing datasets, especially large datasets, with advice from hard-won experience; and 6) papers of interest to those who teach, including Stata with topics such as extended examples of techniques and interpretation of results, simulations of statistical concepts, and overviews of subject areas.

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The Stata Journal Editors' Prize 2013: Erik Thorlund Parner and Per Kragh Andersen

1 Prize announcement

The editors of the *Stata Journal* are delighted to announce the award of the Editors' Prize for 2013 to **Erik Thorlund Parner** and **Per Kragh Andersen**. The aim of the prize is to reward contributions to the Stata community for one or more outstanding articles published in the *Journal* in the previous three calendar years. For the original announcement of the prize and its precise terms of reference, see Newton and Cox (2012), which is accessible at the following website: http://www.stata-journal.com/sjpdf.html?articlenum=gn0052. The prize recognizes the outstanding article on "Regression analysis of censored data using pseudo-observations" (Parner and Andersen 2010).

Erik Thorlund Parner was born in 1967 and grew up in Aarhus, Denmark. All of his degrees are from Aarhus University: a bachelor's degree in mathematics and theoretical statistics, a master of science in mathematical statistics in 1995, and a doctorate for a thesis on inference in semiparametric frailty models in 1997. In 2001, he became an associate professor of biostatistics, and in 2011, he became a professor at the Department of Public Health, Section for Biostatistics, Aarhus University.

Parner's main interest is time-to-event analysis, in particular, methods for multivariate time-to-event data, interval-censored data, and the pseudo-observation method for censored data. He also works with instrumental-variable analysis with application in general practice. In addition to methodological aspects, he has a major interest in the etiology of autism and time trends in autism prevalence. He is the coauthor of 8 methodological articles and 40 applied articles, including 2 articles in the *Stata Journal*. He became an associate editor for the *Scandinavian Journal of Statistics* in 2013.

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Per Kragh Andersen was born in 1952 and grew up in the Copenhagen area of Denmark. After earning a bachelor's degree in mathematics and computer science and a master of science in mathematical statistics in 1978, he became a founding staff member of the Statistical Research Unit, which later grew into the Department of Biostatistics in the Faculty of Health Sciences at the University of Copenhagen. Andersen was awarded a doctorate in mathematical statistics in 1982 for a thesis on statistical models for covariates' influence on the intensity of a point process and a medical doctorate in 1997 (all degrees conferred from the University of Copenhagen). In 1985, he became an associate professor of biostatistics, and in 1998, he became a professor of biostatistics at the University of Copenhagen.

Andersen's main research interest is the analysis of survival and event history data, with some current focus on methodology for pseudo-observations. He is a coauthor (with Ø. Borgan, R. D. Gill, and N. Keiding) of the 1993 book entitled *Statistical Models Based on Counting Processes*. With Niels Keiding, he edited the survival analysis part of the *Encyclopedia of Biostatistics*, which in 2006 appeared separately as *Survival and Event History Analysis*. In 2010, he coauthored the book *Regression with Linear Predictors* with Lene Theil Skovgaard. He is an author or coauthor of more than 100 methodological and 180 applied articles and has served on the editorial boards of several journals, including *Biometrics*, *Scandinavian Journal of Statistics*, *Statistics in Medicine*, and *Lifetime Data Analysis*.

The article by Parner and Andersen (2010) draws upon a series of articles in which a method based on pseudovalues is proposed for direct regression modeling of the survival function, the restricted mean, and the cumulative incidence function in competing risks with right-censored data. The models, once the pseudovalues have been computed, can be fit using standard generalized estimating equation software. Stata procedures are presented for computing these pseudo-observations. An example from a bone marrow transplantation study is used to illustrate the method.

The method introduced by Parner and Andersen (2010) is increasingly being used. The driving force behind the article is the innovative work of Andersen and his various coworkers and junior colleagues for nearly a decade. The pseudovalues idea opens up whole new ways of doing survival analysis with right-censored time-to-event observations. For example, the pseudovalues method allows us to fit regression models based on survival probability estimates at the level of the individual rather than in groups; it facilitates the analysis of survival data in the time domain rather than the nearly universal probability or (relative) hazards domain. As of now, the article by Parner and Andersen (2010) is the only evident implementation of these ideas in Stata, and as such, it is critical for people who wish to use the new techniques in Stata. The three programs all incorporate Mata code for speed and efficiency and have been found very reliable across repeated uses in different types and sizes of datasets.

As editors, we are indebted to the awardees for biographical material and to a necessarily anonymous nominator for a most helpful appreciation of their work.

H. Joseph Newton and Nicholas J. Cox
Editors, *Stata Journal*

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