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Sample selection bias with multiple selection rules: An application to student aid grants \$\price \text{

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Abstract

This paper extends the sample selection bias correction procedure, developed by James J. Heckman, to the case of multiple selection rules. Estimators are presented for independent selection rules and a consistent estimator for the variance-covariance matrix is derived. The methodology is applied to the problem of estimating the financial aid available to U.S. highschool students for college education. In order to be observed in receipt of financial aid, a student has to be both enrolled in college and to have had an expected value of aid in excess of the costs of applying. Both of these sources of selection bias were found to be important.

References (12)

B.S. Barnow et al.

Issues in the analysis of selection bias

Paper given at the American Economic Association meetings (1978)

G. Catsiapis

Subsidization and investment in postsecondary education with application using the U.S. national longitudinal study of the 1972 high school class

G. Catsiapis et al.

Sample selection bias with two selection rules: An application to student-aid grants

William H. Green

Sample selection bias as specification error: Comment

Econometrica (1981)

Zvi Griliches <i>et al.</i> Missing data and self-selection in large panels
J.A. Hausman et al. Non-random missing data
There are more references available in the full text version of this article.
Cited by (40)
Elliptical regression models for multivariate sample-selection bias correction 2016, Journal of the Korean Statistical Society
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Conditional means of the dependent variable in a double-selection model: The roles of diet and exercise in body weight 2010, Economics Letters
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Three measures of returns to education: An illustration for the case of Spain 2008, Economics of Education Review
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Generalized sample selection bias correction under RUM 2004, Economics Letters
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