

## Abstract for review European Research Network On Philanthropy

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## How sensitive is the average tax-payer to changes in the tax-price of giving?

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## Abstract:

A fundamental problem in estimating the responsiveness of donations to tax incentives is that the price of donating \$1 is a function of the level of donation, and hence is inherently endogenous. One approach in the literature estimates the tax-price elasticity of donating using data on itemized tax returns for those whose other tax deductible expenditures are such that the price of donating is not a function of how much they donate. This approach solves the endogeneity problem, however, the tax-price elasticity estimated on this sub-sample reflects the responsiveness of the average person who files their tax return, a group which is significantly wealthier than the average tax-payer. As such other researchers have sought to estimate the taxprice elasticity of the average taxpayer based on survey data. Results from both studies present a counter-intuitive conclusion; the responsiveness of the average tax payer is larger than that of the average, wealthier, itemizer. We provide theoretical and empirical evidence that this conclusion results from a heretofore unrecognized downward bias in the estimator of the tax-price elasticity using survey data when non-itemizers are included in the sample. An intuitive modification to the standard model used in the literature is shown to yield a consistent and efficient estimator of the tax-price elasticity for the average tax payer under a testable restriction. We find empirical support for this restriction and estimate a bias in the price elasticity of the average taxpayer in the standard model of around -1. Our results suggest an inelastic tax-price elasticity for the average



taxpayer, where a statistically significant and elastic price response is found only for individuals in the top decile of income.

## Most important references:

Bakija, J., Heim, B., 2011. How does charitable giving respond to incentives and income? new estimates from panel data. National Tax Journal 64 (2), 615–650.

Bradley, R., Holden, S., McClelland, R., 2005. A robust estimation of the effects of taxation on charitable contributions. Contemporary Economic Policy 23 (4), 545–554.

Brown, S. Harris, M and Taylor, K. 2012. Modelling charitable donations to an unexpected natural disaster: Evidence from the u.s. panel study of income dynamics. Journal of Economic Behavior and Organization 84, 97–110.

Brown, S., Greene, W., Harris, M and Taylor, K. 2015. An inverse hyperbolic sine heteroskedastic latent class panel tobit model: An application to modelling charitable donations. Economic Modelling 50, 321–341.

Yöruk, B., 2013. The impact of charitable subsidies on religious giving and attendance: Evidence from panel data. The Review of Economics and Statistics 95 (5), 1708–1721.