

Title: E-BABE - The relationship between alcohol consumption and the desire to own a firearm: an empirical study on citizens of São Paulo city, Brazil

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The main objective of this study was to investigate the association between alcohol consumption (use and bingeing) and the desire to own a firearm for protection.We used data from three random cross-sectional victimization surveys conducted in São Paulo city in 2003, 2008 and 2013 with people aged ≥16.We perform tests for equality of proportions. Our analysis was performed separately for each victimization survey to check the robustness of the results. We also used probit models, estimated by the maximum likelihood method, to analyse the relationship between desire to own a firearm and alcohol consumption, controlling for many other variables. In 2013, althought only 1.5% of the population surveyed reported living in a household with a firearm, 15.7% report that they would possess a firearm if they could, and 13.0% believed they would be safer/more protected from violence if they had a firearm. The desire to own a firearm is higher among people who consume alcoholic beverages than among those who do not and is higher as alcohol binge frequency increases. In São Paulo city, alcohol consumption and binge drinking are positively associated with the desire to own a firearm.

Biography

Marcelo Justus has an PhD in Applied Economics from the University of São Paulo, Brazil. He is currently a professor of statistics and econometrics at the Institute of Economics in the University of Campinas, Brazil; in 2018, he was a visiting scientist at the Harvard Injury Control Research Center in the Harvard T. H. Chan School of Public Health. He has experience in social economics with emphasis on economics of crime. Her studies also include the effects of socioeconomics individual's characteristics on the depression mental, and the causes and consequences of child labor in Brazil.

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