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People	<b>Testing for IIA with the Hausman-McFadden Test</b> by Wim P. Vijverberg (June 2011)						
Research							
Labor Policy	Abstract:						
Publications	The Independence of Irrelevant Alternatives assumption inherent in multinomial logit models is most frequently tested with a Hausman-McFadden test. As is confirmed by many findings in the literature, this test sometimes produces negative outcomes, in contradiction of its asymptotic $\chi^2$ distribution. This problem is caused by the use of an improper variance matrix and may lead to an invalid statistical inference even when the test value is positive. With a correct specification of the variance, the sampling distribution for small samples is indeed close to a $\chi^2$ distribution. <b>Text:</b> See Discussion Paper No. 5826						
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