

# Ambiguity Aversion In Game Theory Experimental Evidence

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**LILLY NATHAN**

*Ambiguous games: Evidence for strategic ambiguity aversion*  
 Ambiguity Aversion In Game Theory of ambiguity aversion. The experimental design in this paper is intended to shed light on the general phenomena of ambiguity aversion in game theory, rather than choose between competing models. Understanding

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unknown.Ambiguity aversion - Wikipediaa major challenge to game theory and to rational choice theory in general. Ever since von Neumann and Morgenstern (1947) developed an ... ambiguity aversion is generally observed neverthe-less. Even without this information, a decision maker faced with an ambiguous choice can invari-Ambiguous games: Evidence for strategic ambiguity aversionIn decision theory and economics, ambiguity aversion (also known as

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criticised for not signing the Kyoto Protocol. Climate Change Policy: A Theorist's Plea to Take Heed of ... A low risk aversion ambiguity neutral subject is 1.8 times more likely to play A in the testing game than a high risk aversion ambiguity averse subject ( $p = 0.006$ ,  $\chi^2$  test). This represents clear evidence that preferences toward uncertainty, as measured in the classification games, are associated with behavior in the testing game. Uncertainty aversion in game theory: Experimental evidence ... Ambiguity aversion, or uncertainty aversion, is the tendency to favor the known over the unknown, including known risks over unknown risks. For example, when choosing between two bets, we are more likely to choose the bet for which we know the odds, even if the odds are poor, than the one for which we don't know the odds. Ambiguity (uncertainty) aversion | Behavioral Economics.com ... An Ambiguity Aversion Framework of Security Games under Ambiguities Wenjun Ma<sup>1</sup>, Xudong Luo<sup>2</sup>, and Weiru Liu<sup>1</sup> <sup>1</sup>School of Electronics, Electrical Engineering and Computer Science, Queen's University

Belfast, Belfast, UK, BT7 1NN {w.ma,w.liu}@qub.ac.uk <sup>2</sup> Institute of Logic and Cognition, Sun Yat-sen University, Guangzhou, China, 510275 luoxd3@mail.sysu.edu.cn An Ambiguity Aversion Framework of Security Games under ... Camerer, C. F. "Uncertain Decisions: Bridging Theory and Experiments." In Ambiguity Aversion and Non-Additive Probability: Experimental Evidence, Models and Applications, Kluwer Academic Publishers (1999), 53 - 80. Ambiguity Aversion and Underdiversification | Journal of ... ambiguity in a situation and ambiguity aversion. Ambiguity is embedded in standard utility theory and a parameter of ambiguity aversion is estimated and contrasted to the parameter of risk aversion. The analysis provides a test of theoretical models of ambiguity aversion. The main findings are that ambiguity aversion on average is much more pro-Ambiguity aversion: experimental modeling, evidence, and ... They showed empirically that ambiguity attitudes play a role there and that ambiguity aversion reduces trust. We use

their method in our experiment. A feature typical of game theory is that other players, unlike nature, interact consciously with the decision maker, having common or opposite interests. Social and strategic ambiguity versus betrayal aversion ...ambiguity aversion effect. In the delay conditions, players who knew that the ambiguous co-player types were equally likely were significantly less ambiguity-averse than those who did not. Decision confidence was significantly higher in  $2 \times 2$  than larger games. Keywords: ambiguity aversion; behavioural game theory; confidence; decision making; Running head: STRATEGIC AMBIGUITY AVERSION "Ambiguity Aversion" is definitely something that is discussed in the Decision theory literature, although the usual example is Ellsberg paradox, which is different from the example given in the article (which I feel isn't a strict example of ambiguity...) —Preceding unsigned comment added by 24.62.3.2 17:29, 4 March 2010 (UTC) Talk:Ambiguity aversion - Wikipedia We

propose a simple, parameter-free method that, for the first time, makes it possible to completely observe Tversky and Kahneman's (1992) prospect theory. While methods exist to measure event weighting and the utility for gains and losses separately, there was no method to measure loss aversion under ambiguity. Our method allows this and thereby it can measure prospect theory's entire ...Measuring Loss Aversion under Ambiguity: A Method to Make ...Estimating Ambiguity Aversion in a Portfolio Choice Experiment \* David Ahn† UC Berkeley Syngjoo Choi‡ UCL Douglas Gale § NYU Shachar Kariv¶ UC Berkeley September 25, 2013 Abstract We report a portfolio-choice experiment that enables us to estimate parametric models of ambiguity aversion at the level of the individual subject. Estimating Ambiguity Aversion in a Portfolio Choice Experiment We report an experimental test of the influence of ambiguity on behaviour in a coordination game. We study the behaviour of subjects in the presence of ambiguity and attempt

to determine whether they prefer to choose an ambiguity-safe option. We find that this strategy, which is not played in either Nash equilibrium or iterated dominance equilibrium, is indeed chosen quite frequently. An experimental study on the effect of ambiguity in a ...Abstract. We present a novel source of disagreement grounded in decision theory: ambiguity aversion. We show that ambiguity aversion generates endogenous disagreement between a firm's insider and outside shareholders, creating a new rationale for corporate governance systems. Ambiguity, Disagreement, and Allocation of Control in ... "Ambiguity aversion in the field of insurance. Insurers' attitude to imprecise and conflicting probability estimates", Theory and Decision, 62, p. 219-240. - Camerer, C. and M. Weber (1992). Climate Change Policy: A Theorist's Plea to Take Heed of Game Theory and Ambiguity Aversion. development. There is an extensive literature on the value of reputation and on reputation-building. 6 The Howard government was criticised for not signing

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<sup>1</sup>School of Electronics, Electrical Engineering and Computer Science, Queen's University Belfast, Belfast, UK, BT7 1NN

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