Bayesian Truth Serum - Axiomatic Systems

Prof. dr. sc. Hrvoje Šikić, PMF-Matematički Odsjek, Sveučilište u Zagrebu

Bayesian Truth Serum is a survey scoring method based on respondents answering multiple-choice questions and predicting the answers of their peers. Its features are truthtelling incentives and the identification of experts among respondents. We develop two axiomatic systems of the Bayesian Truth Serum, each based on one of the fundamental properties of the Bayesian Truth Serum. (This is a joint work with Jakša Cvitanić (Caltech), Dražen Prelec (MIT), and Sonja Radas (EIZG).)