Wakker, Peter
Characterizing stochastically monotone functions by multiattribute utility theory. (English)

Summary: This note shows that the stochastic monotonicity condition, introduced by R. D. McKelvey and T. Page [Econometrica 54, 109-127 (1986; Zbl 0578.90019)] in the study of common knowledge, is equivalent to a well-known condition from multiattribute utility theory, used before by J. C. Harsanyi (1955), F. J. Anscombe and R. J. Aumann (1963); P. C. Fishburn (1965), R. L. Keeney and H. Raiffa (1976), and other places. This also shows how the many generalizations, obtained in the literature on multiattribute utility, can be introduced in the study of common knowledge.

MSC:
91B16 Utility theory

Keywords:
stochastic monotonicity condition; multiattribute utility theory

Full Text: DOI

References:

This reference list is based on information provided by the publisher or from digital mathematics libraries. Its items are heuristically matched to zbMATH identifiers and may contain data conversion errors. It attempts to reflect the references listed in the original paper as accurately as possible without claiming the completeness or perfect precision of the matching.