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Axiomatic theories of utilitarianism and weak utilitarianism. (English) Zbl 1396.91178
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Summary: We study axiomatic theories of utilitarianism and weak utilitarianism introducing new axioms we call monotonicity, strict monotonicity, and strong monotonicity with respect to individual utility differences. Utilitarianism is characterized by anonymity and strong monotonicity, and weak utilitarianism is implied by strong Pareto, anonymity, and monotonicity, or anonymity and strict monotonicity.

MSC:

91B16 Utility theory

Keywords:

social welfare ordering; utilitarianism; weak utilitarianism; anonymity; monotonicity

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