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A Common Framework for Describing Most Aggregation Procedures in Decision Making

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Many axiomatic results concerning aggregation procedures in decision aiding have been obtained in the framework of conjoint measurement of social choice theory. We show that these frameworks, although they helped us to better understand some aggregation procedures, are not totally appropriate for decision aiding. We propose a new framework, very general, in which most aggregation procedures can fit and more appropriate for the axiomatization of aggregation procedures in decision aiding context. We present some axiomatic results obtained in this framework and showing its interest.