

On the meaning of Owen-Banzhaf coalitional value

Laruelle and Valenciano

Speaker: Laruelle

e-mail: laruelle@merlin.fae.ua.es

Universidad de Alicante

Fundamentos del Analisis Economico

SPAIN

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ABSTRACT

In this paper we discuss the meaning of Owen's coalitional extension of the Banzhaf index in the context of voting situations. It is discussed the possibility of accommodating this index within the following model: in order to evaluate the likelihood of a voter to be crucial in making a decision by means of a voting rule a second input (apart from the rule itself) is necessary: an estimate of the probability of different vote configurations. It is shown how Owen's coalitional extension can be seen as three different normative variations of this model.