Accepted Manuscript

Voting with evaluations: Characterizations of evaluative voting and range voting

Antonin Macé

PII: S0304-4068(18)30096-X
DOI: https://doi.org/10.1016/j.jmateco.2018.09.002
Reference: MATECO 2270

To appear in: *Journal of Mathematical Economics*

Received date : 23 July 2018
Revised date : 6 September 2018
Accepted date : 10 September 2018

Please cite this article as: Macé A., Voting with evaluations: Characterizations of evaluative voting and range voting. *Journal of Mathematical Economics* (2018), https://doi.org/10.1016/j.jmateco.2018.09.002

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Revised Manuscript
Click here to view linked References

ACCEPTED MANUSCRIPT

Voting with evaluations: characterizations of evaluative voting and range voting *

Antonin Macé†

September 6, 2018

Abstract

I conduct an axiomatic analysis of voting rules in a context where voters evaluate each candidate by assigning her an evaluation from a pre-established set. I focus on additive rules, which follow the utilitarian paradigm. Characterization results are provided for each of the two prominent additive rules: *Evaluative Voting* when the evaluation set is finite and *Range Voting* when the evaluation set is $[0, 1]$. These results are first obtained in a simple setting of *ranking* rules - where candidates are compared according to a ranking of their attributes - and are then extended to a more general setting of *voting* rules.

Keywords: Range Voting, Evaluative Voting, Utilitarianism, Measurement.

JEL classification: D70, D63

*I would like to thank Raicho Bojilov, Denis Bouyssou, Yukio Koriyama, Jean-François Laslier, François Maniquet, Vincent Merlin, Eduardo Perez, Robert Somogyi, Marjorie Sweetko and Rafael Treibich for useful remarks and comments, as well as participants in the economics seminars at École Polytechnique, ISI Delhi, the University of Warwick, the CORE, Maastricht University, the University of St. Andrews, the University of Manchester, Aix-Marseille School of Economics and in the following conferences: 4th Murat Sertel Workshop, ECORE 2013, Public Economic Theory 2013, Economic Design 2013, Economic Growth and Development 2013, RES 2014 and ADRES 2014. I am very grateful to two reviewers and the editor for their helpful comments on a first version of the manuscript. All remaining errors are mine.

†Paris School of Economics, CNRS and ENS.

Download English Version:

https://daneshyari.com/en/article/11020447

Download Persian Version:

https://daneshyari.com/article/11020447

Daneshyari.com