

RANKING RANKINGS: FORMING PREFERENCES ON OTHERS BASED ON OTHERS' PREFERENCES ON US, AND APPLICATIONS IN SOCIAL CHOICE

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Various occasions require that an individual ranks others in her environment based on how these others rank her; consider a company that seeks an employee who values her back, a student that works better with a professor who appreciates her strengths, or a voter that prefers a representative who prioritises her needs. We introduce a novel framework for the ranking of rankings and discuss applications in the field of social choice theory, particularly in matching and voting. Finally, we conduct an axiomatic analysis by proposing several normative properties that give rise to reasonable solutions for the ranking of rankings. Our axioms are inspired by known properties such as anonymity, monotonicity, and independence. This talk is based on joint work with Eric Remila and Philippe Solal.