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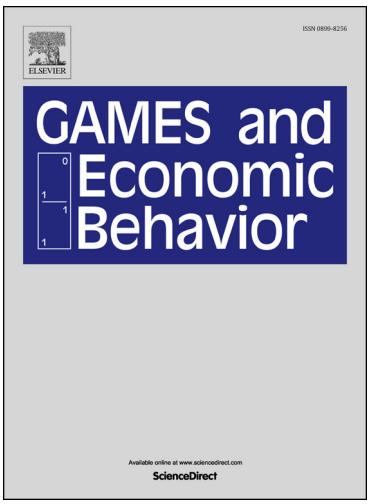

The Inverse Shapley value problem

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Highlights

- We study the problem of finding a weighted voting game from its Shapley values.
- We propose an efficient approximation algorithm with provable performance guarantees.
- Our analysis leverages ideas from learning theory and probability theory.