

Value functions in LinearDecisionRules.jl

jeudi 31 juillet 2025 11:15 (30 minutes)

The use of linear decision rules is an attractive alternative to multistage decision making under uncertainty, combining simplicity and interpretability of the policies and computational tractability. We introduce a modeling extension to the LinearDecisionRules.jl package that allows the user to formulate and optimize value functions in this framework. The extension also simplifies incorporating such value functions as convex formulations to be used in further optimization problems.

Author: FREITAS PAULO DA COSTA, Bernardo (Fundação Getulio Vargas)

Co-auteur: DIAS GARCIA, Joaquim (PSR)

Orateur: FREITAS PAULO DA COSTA, Bernardo (Fundação Getulio Vargas)

Classification de Session: Stochastic Programming

Classification de thématique: Stochastic Programming