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SVM Regression Oblique Trees: A Novel Approach to Regression Tasks

Monday, 16 September 2024 11:00 (30 minutes)

SVM Regression Oblique Trees: A Novel Approach to Regression Tasks. This technique combines feature selection based on predictor correlation and a weighted support vector machine classifier with a linear kernel. Evaluation on simulated and real datasets reveals the superior performance of the proposed method compared to other oblique decision tree models, with the added advantage of enhanced interpretability.

Type of presentation

Talk

Classification

Both methodology and application

Keywords

Decision Trees, Oblique Trees, Support Vector Machine

Primary authors: Dr CARTA, Andrea (University of Cagliari); Dr CONTU, Giulia (University of Cagliari); FRIGAU, Luca (University of Cagliari)

Presenter: Dr CARTA, Andrea (University of Cagliari)

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