

Building an explainable model for ordinal classification. Meeting black box model performance levels.

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5/20/2020

Plan

- Research purpose
- Ordinal classification
- Dataset
- Methodology
- Results
- Model explanation

Research purpose

Ordinal classification

Dataset

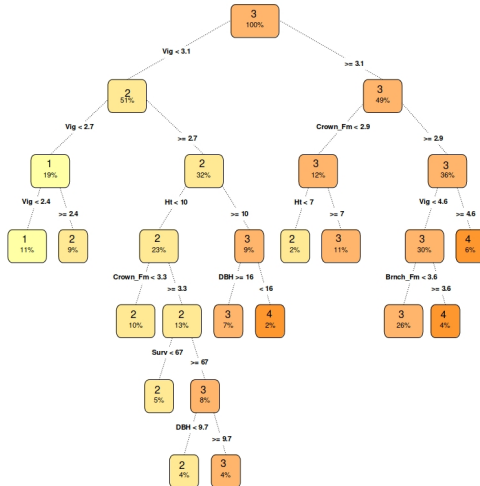
Methodology

Results

Model	AUC	MSE	ACC	ACC1	% Best AUC
Basic rpart	0.8259	0.5284	0.5835	0.9797	95.89%
Regr rpart var-sel.	0.8613	0.4996	0.5815	0.9323	100.00%
Xgboost	0.8590	0.4467	0.6248	0.9873	99.73%
Xgboost small	0.8405	0.4998	0.6044	0.9830	97.59%

Results

Model Explanation



Conclusions

