

Predicting Gap Acceptance Behavior at mid-block median openings in heterogeneous traffic using various machine learning models

Results

I have trained various models on the dataset, which shows whether a gap is accepted or not. The data was collected as part of an extensive project on which I am applying my machine learning models.

	Decision Trees	SVM	Random Forests	XGBoost Classifier
POND	0.978	0.988	0.978	0.979
POD	0.968	0.946	0.968	0.979
Accuracy	0.976	0.902	0.976	0.971
Precision	0.978	0.997	0.978	0.979
Recall	0.968	0.877	0.968	0.987
F1-Score	0.973	0.921	0.973	0.968