Dataset1:

Decision Trees study:
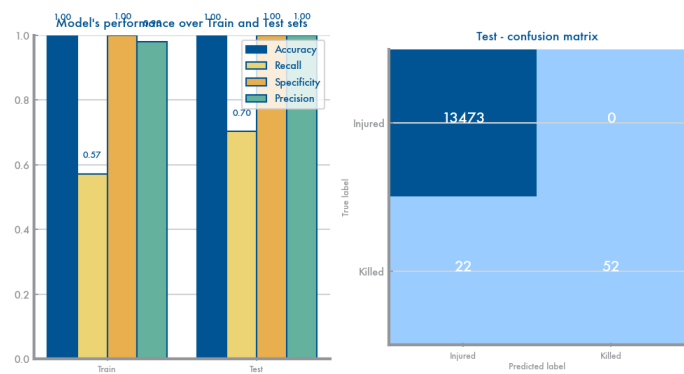
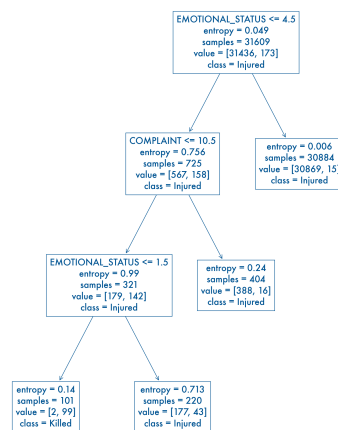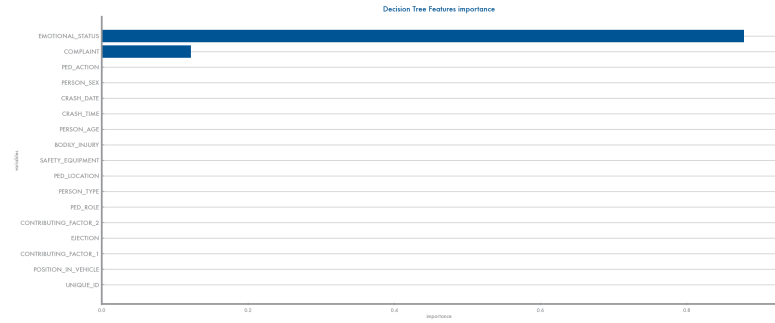|	
• Criteria: entropy + gini • Max depth (pre-puning) • Impurity decrease (post-pruning)	
Best model evaluation ->	max depth: 5; min-impurity: 0.0025; criteria: entropy
Confusion matrix	
Best tree	

Feature Importance	

Overfitting study:

Decisions tree train	
Decisions tree test	
KNN train	

KNN test

KNN with chebyshev criteria - precision - @test
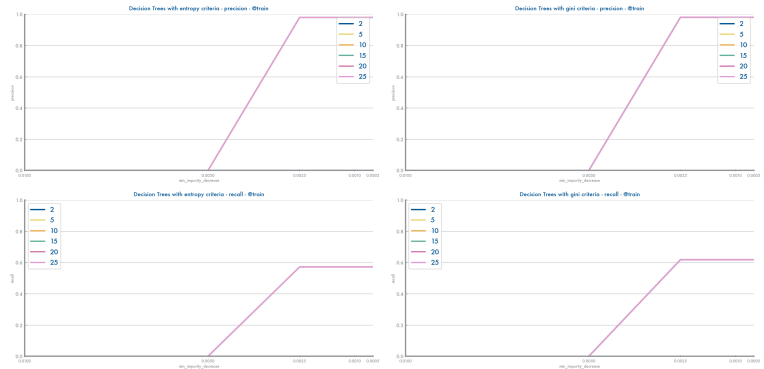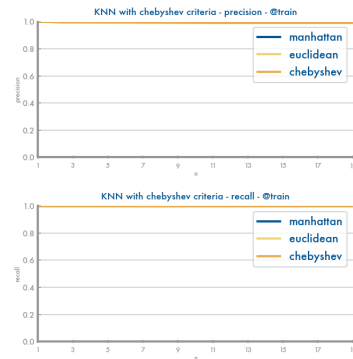
KNN with chebyshev criteria - recall - @test

Dataset2:

Decision Trees study:

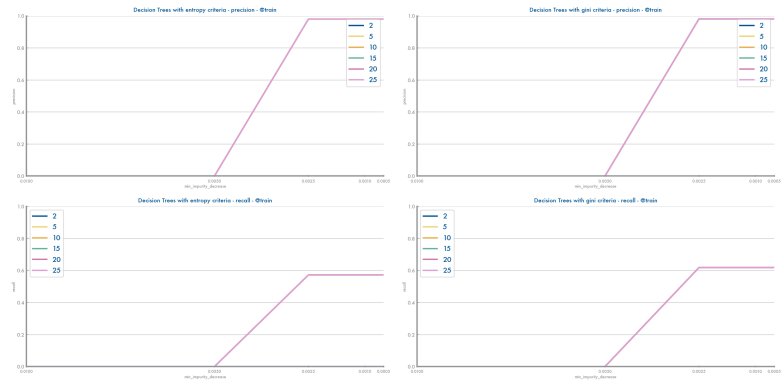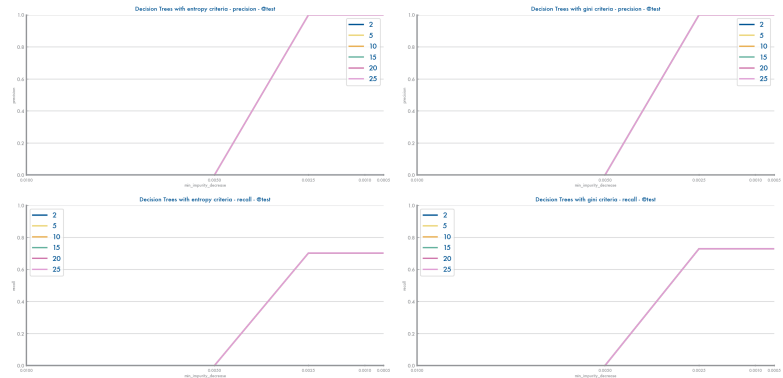|	
• Criteria: entropy + gini • Max depth (pre-puning) • Impurity decrease (post-pruning)	
Best model evaluation ->	max depth: 5; min-impurity: 0.0025; criteria: entropy
Confusion matrix	
Best tree	

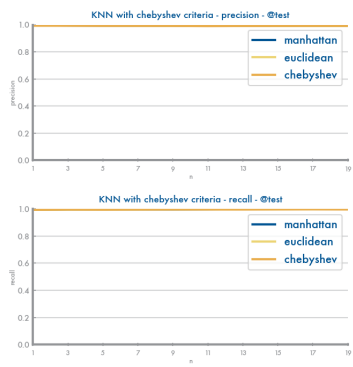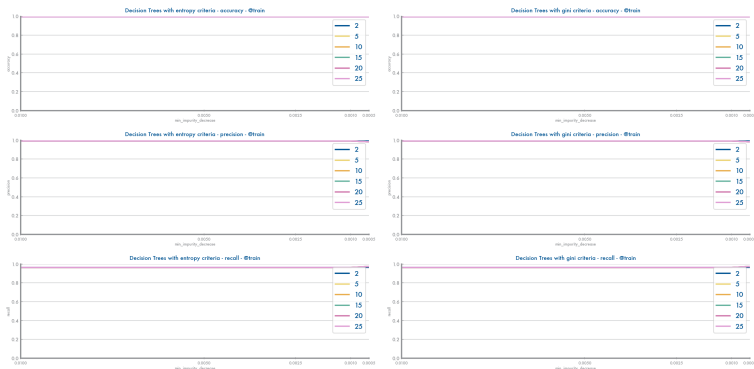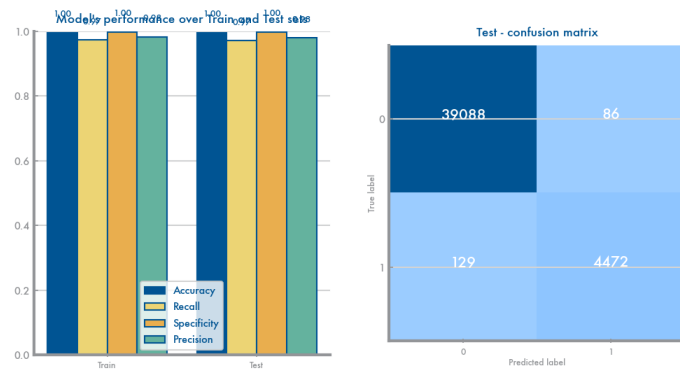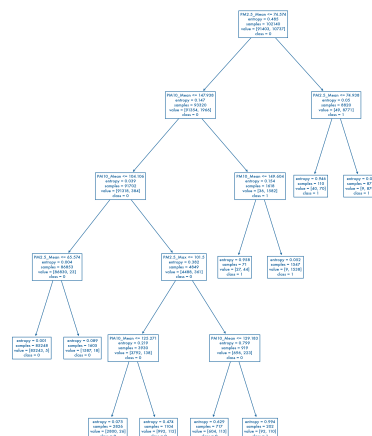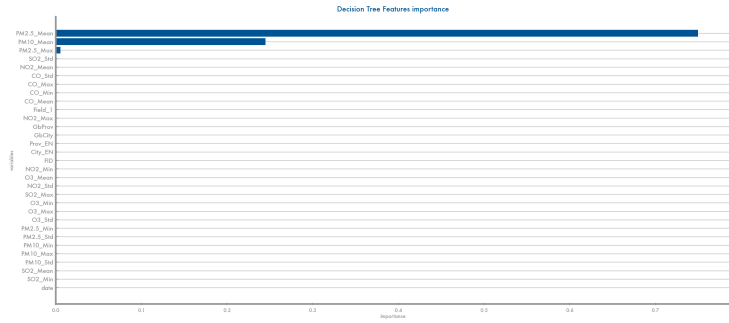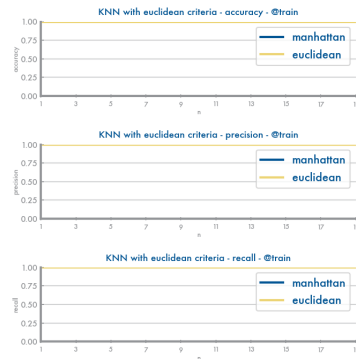| Feature Importance	
	Decision Tree Features importance

Overfitting study:

Decisions tree train	
Decisions tree test	
KNN train	

KNN test

KNN with euclidean criteria - accuracy - @test

KNN with euclidean criteria - precision - @test

KNN with euclidean criteria - recall - @test