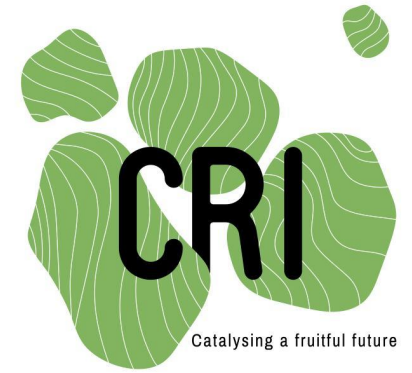


Titanic Data: Decision trees and Naive bayes



Marie BAI
Alex CULPIN
Moussa SIDIBE

4 project



SOMMAIRE

1

Naive bayes

2

Decision trees

3

Pre-pruning,
Post-pruning

4

Submission

Marie BAI, Alex CULPIN, Moussa SIDIBE

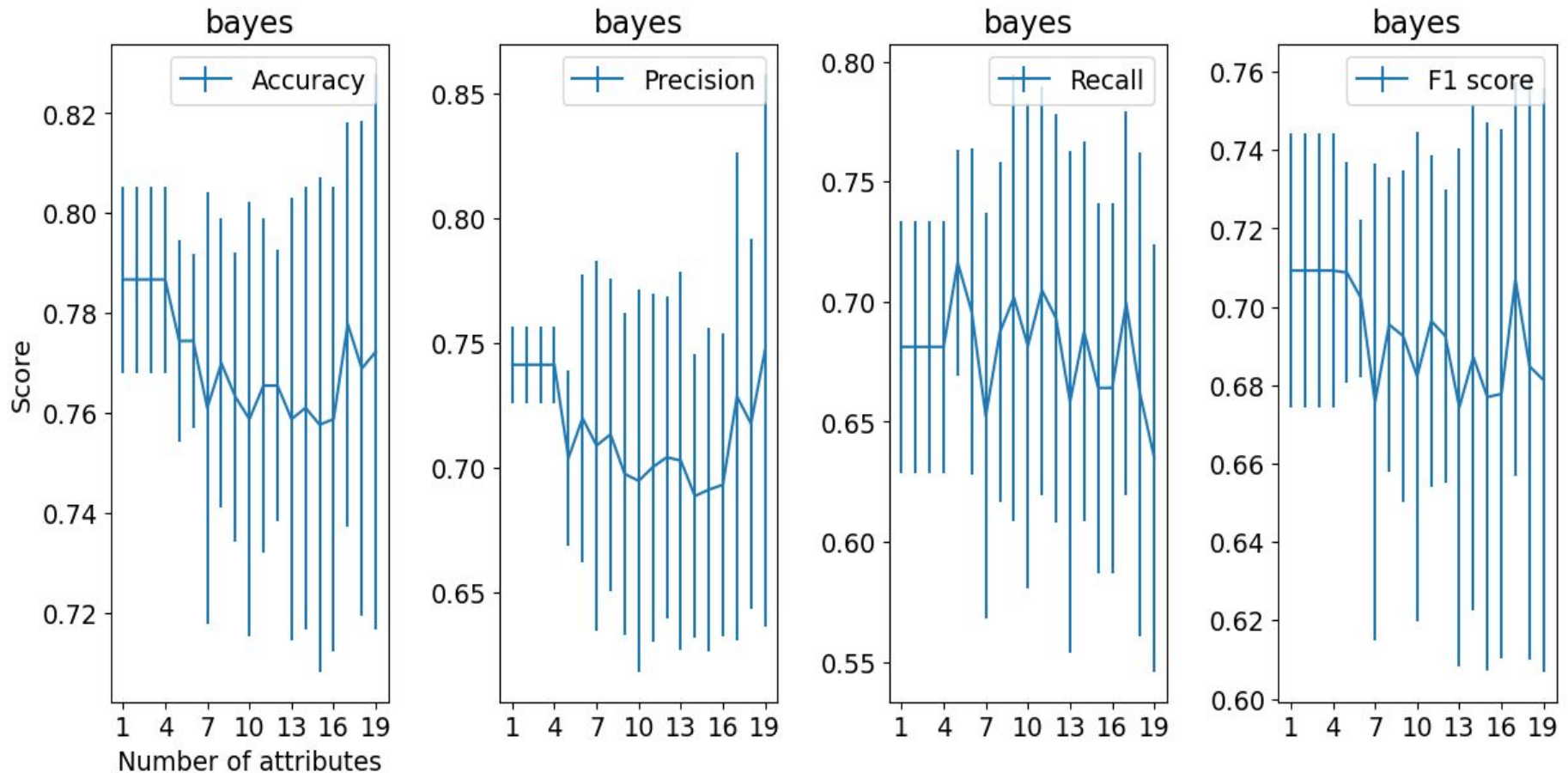
1

Naive bayes



1

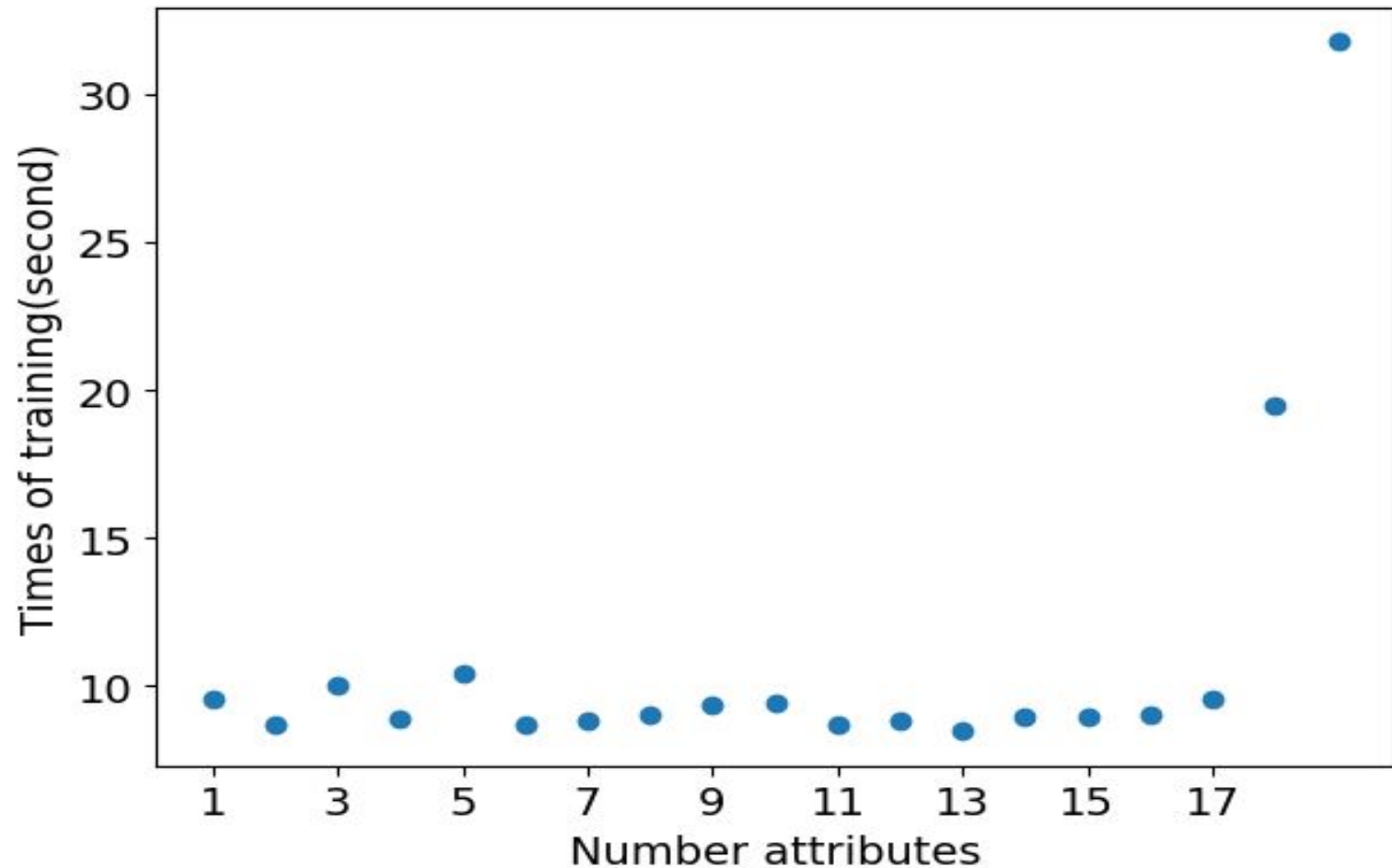
Attribute selection vs performance



Marie BAI, Alex CULPIN, Moussa SIDIBE

1

Attribute selection vs time fitting



Marie BAI, Alex CULPIN, Moussa SIDIBE

2

Decision trees

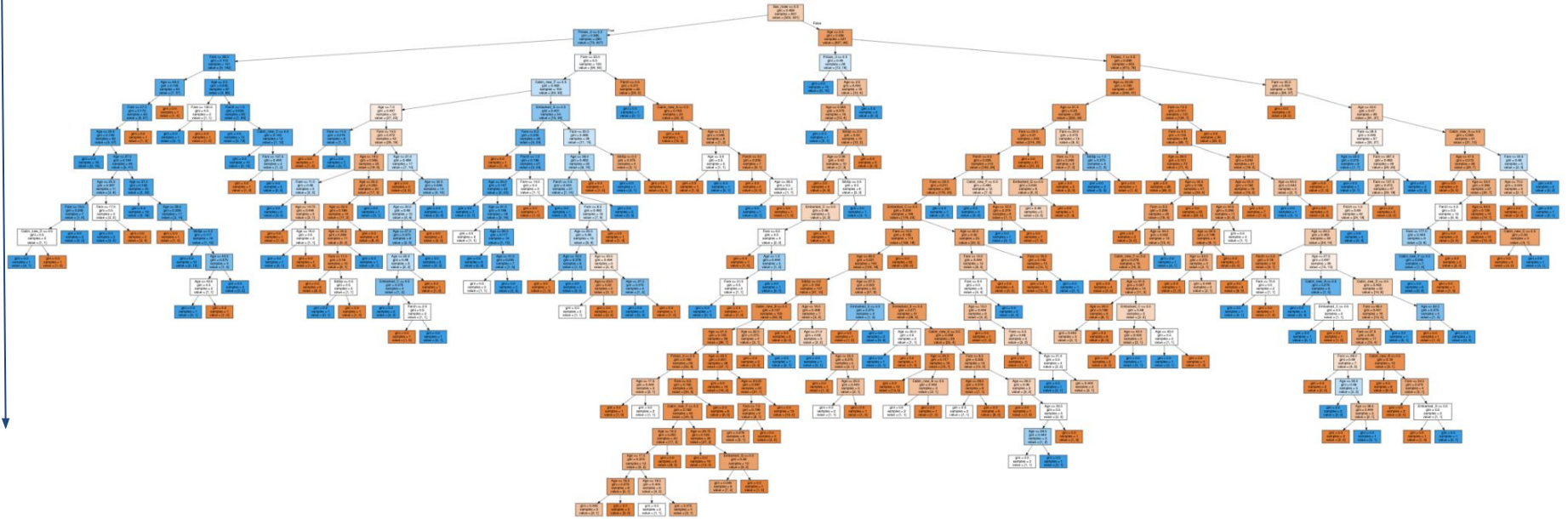
Marie BAI, Alex CULPIN, Moussa SIDIBE



Decision trees

max_depth

min_samples_split



min_samples_leaf



3

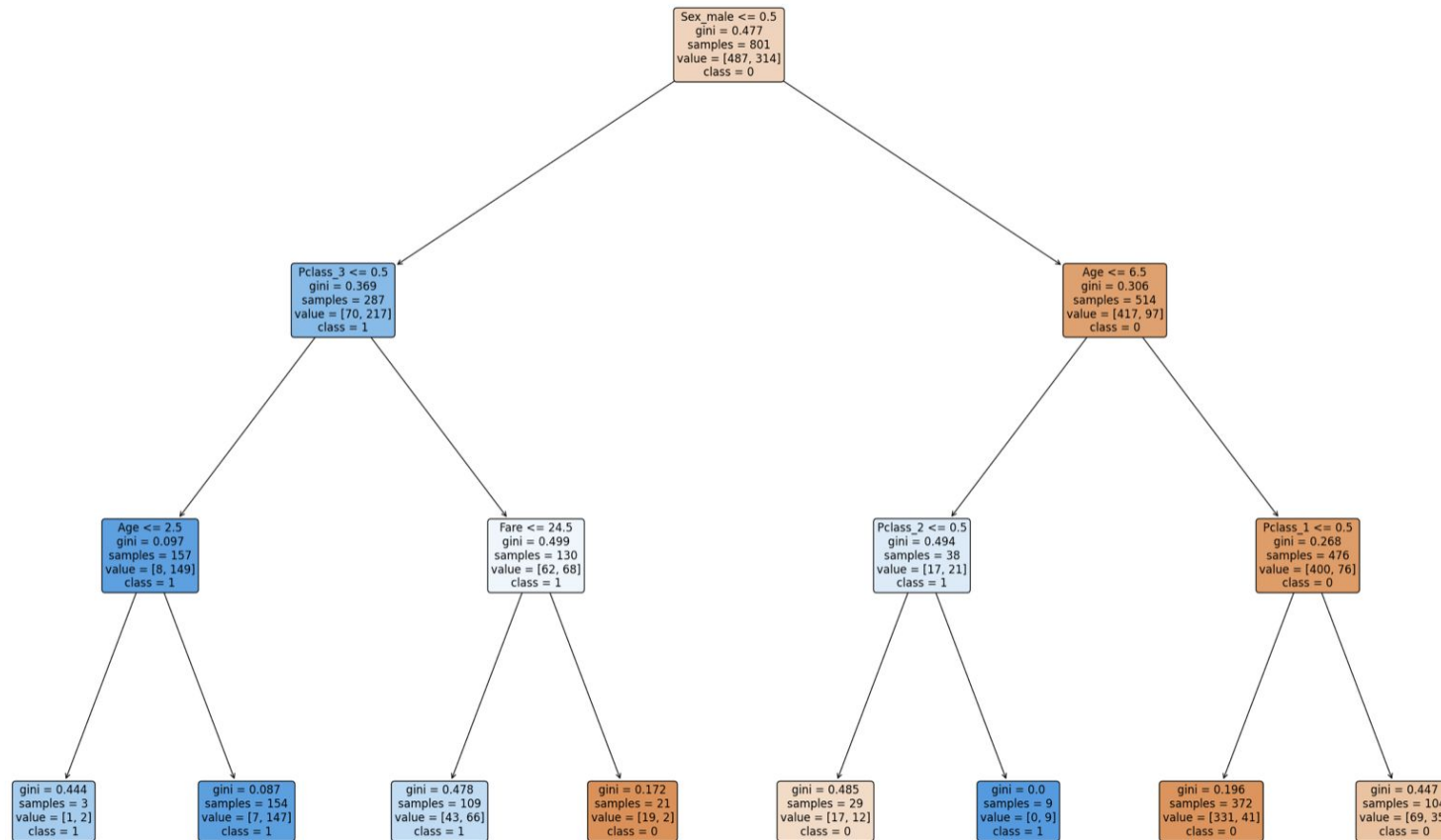
Decision trees.

Pre-pruning I

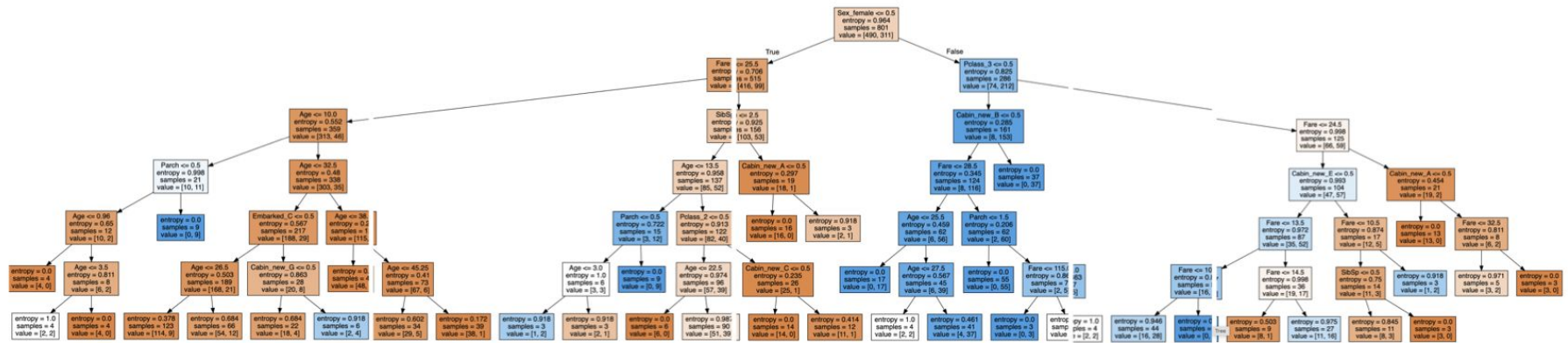
Post-pruning



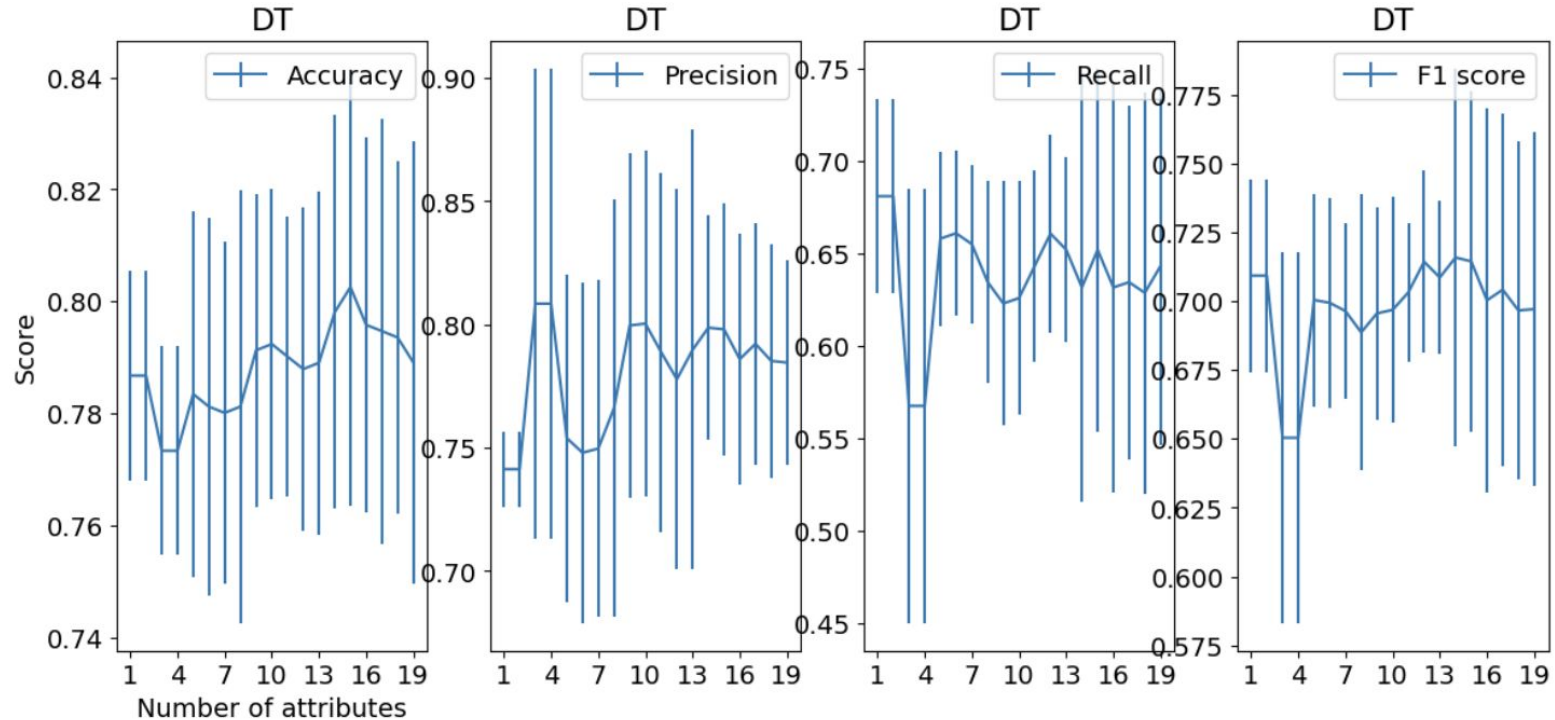
Decision trees. Pre-pruning



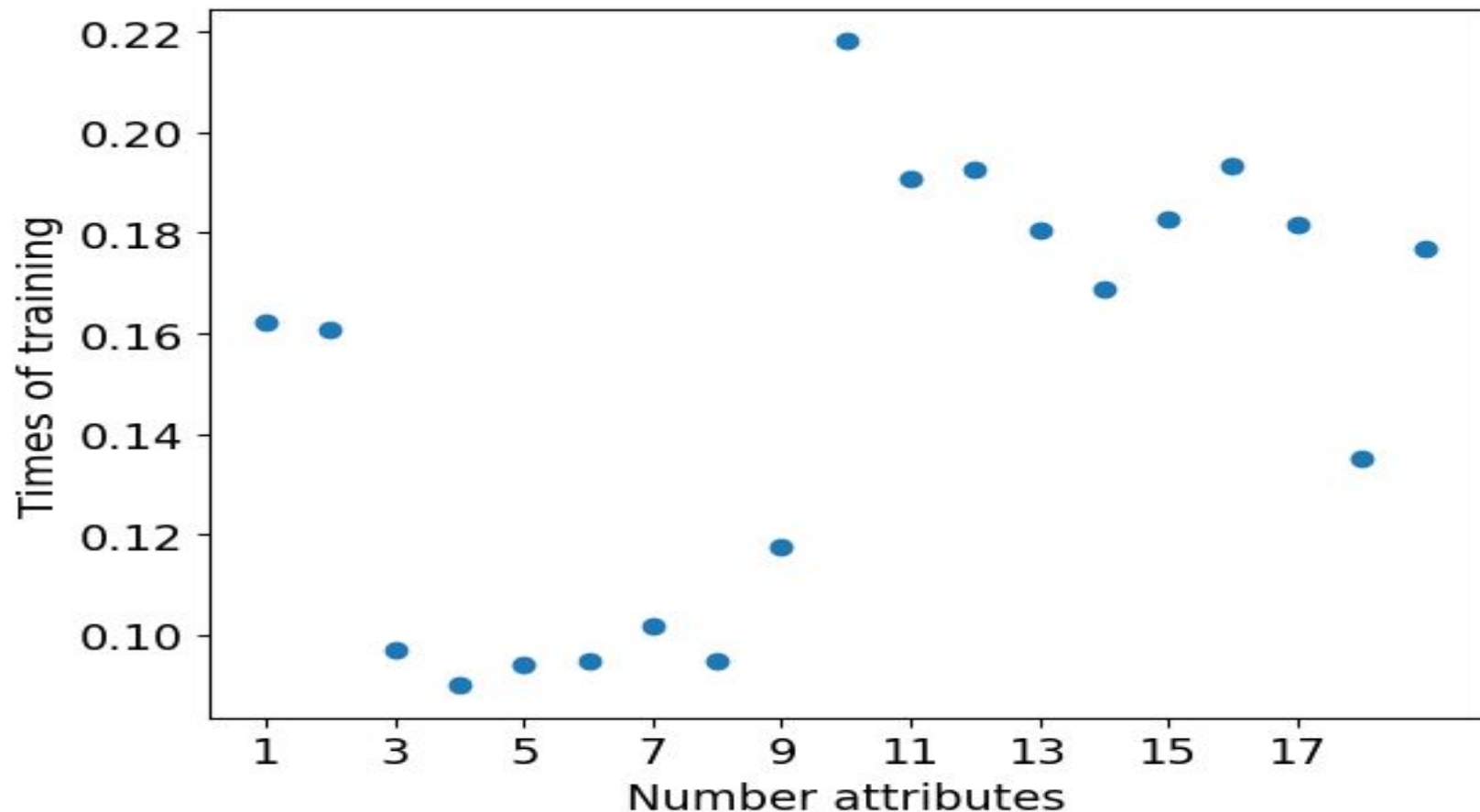
Decision trees. Post-pruning



Decision trees. Post-pruning



Decision trees. Post-pruning




4

Most Important features



Submission to kaggle

12 submissions for Digital science change maker		Sort by Public Score ▼
All Successful Selected		
Submission and Description		Public Score
submi_lda.csv 7 days ago by SIDIBE Moussa add submission details 		0.77751
submi_lr.csv 7 days ago by SIDIBE Moussa add submission details		0.76315
submission_DT_10-24-22112921.csv 33 minutes ago by SIDIBE Moussa add submission details		0.75598



Thank you for your attention

