Tennis → T Overcast Temp
yes
Sun
not

NO

1 or 2

Classification
L
D
N
→ single algorithm

Ensembling Technique

Embeding
Multiple algorith within a single model)

89% → 4 → false → 2 1

90% → 3 false → pg

→ T → 1

80 → false

Bagging

78 90%

Boosting

Test

Input output

m1 logistic → y

m2 Knn → N

m3 Tree Decision → y

N

Yor No

majority

yes

Sequenting learning method

20 yes 9

15

yy 10

5% → Standard

Strong la

logistic Knn Deci Naive Bayes, Strong la Output

Random forest

Decision Tree

Boosting

- AdaBoost
- Gradient Boost
- XGradient boost ...

Bagging

- Random forest ...

Decision Tree

Model overfitting

Naive Bayes

Probability based

Output
(Random forest)