STEP 1: train base models once

Train folds   Val*

0 1 2 3 4 5 6 7   8

Train base model

Base Model

STEP 2: predict using already trained base models

Predict

Base Model
Trained on [0,1,…,7], val=8

0
1
2
3
4
5
6
7

9

*Val fold is dropped/not used for RF and baseline

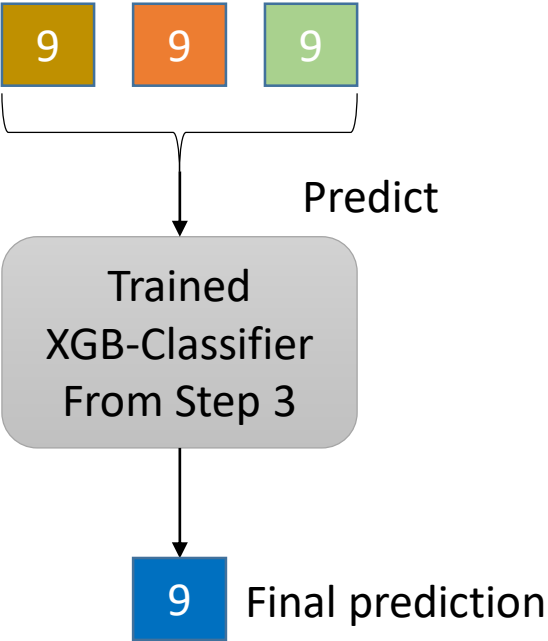STEP 3: column-concat predicts from many base models. Train ensemble.

XGB-Classifier   Train

Ensemble Model Based

9 9 9

Predict

Trained
XGB-Classifier
From Step 3

9 Final prediction

Ensemble Max vote
No step 3 required

9 9 9

Predict

np.max(:, axis=1)

9 Final prediction