1- Creating two train datasets from raw data (N is length of whole train dataset):

Raw data

Feature 1	Feature 2	...	Label	Feature 1	Feature 2	...	Label

Text features dataset   Numerical features dataset

(Rows indexed 0 . . . N)
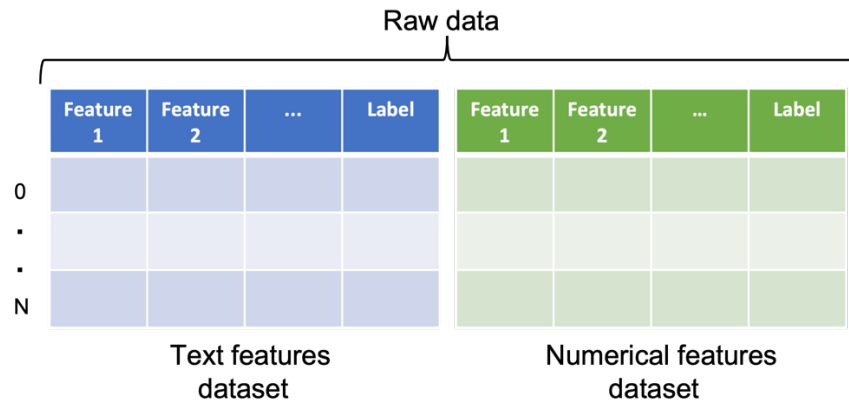
2- Training and Testing of Text Classifier on train data (Note to index of both datasets):

Train

Feature 1	Feature 2	...	Label

(Rows indexed 0 . . . N/2)

Text Classifier

→

Test

Feature 1	Feature 2	...	Label

(Rows indexed N/2 . . . N)

Text Classifier

Result →

Pred Label

(Rows indexed N/2 . . . N)
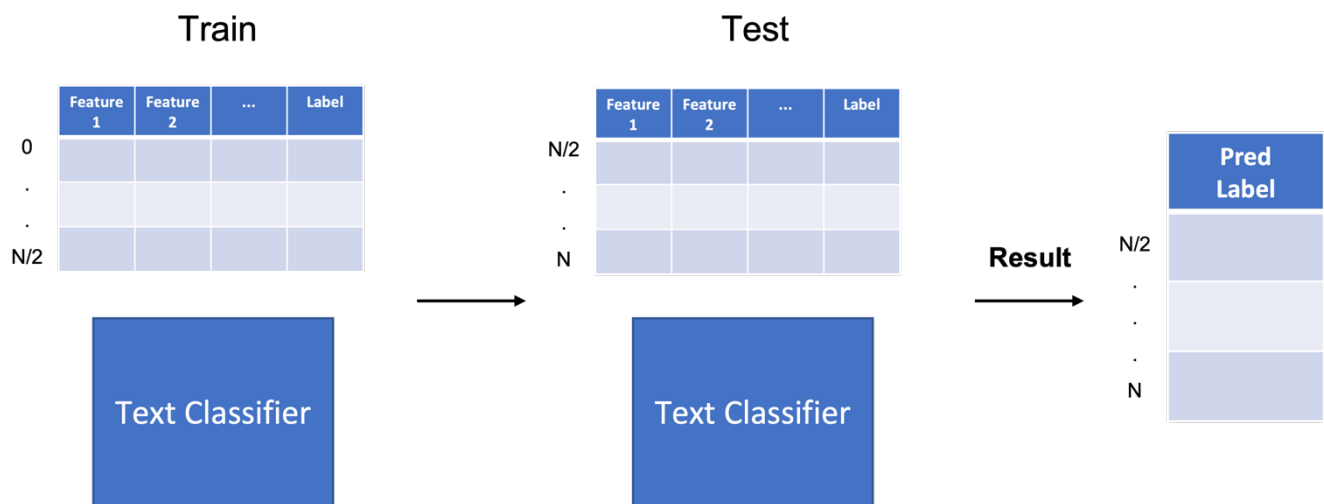
3- Training of Numerical Classifier (Note to index of dataset):

Train

Feature 1	Feature 2	...	Pred Label	Label

(Rows indexed N/2 . . . N)

Numerical Classifier

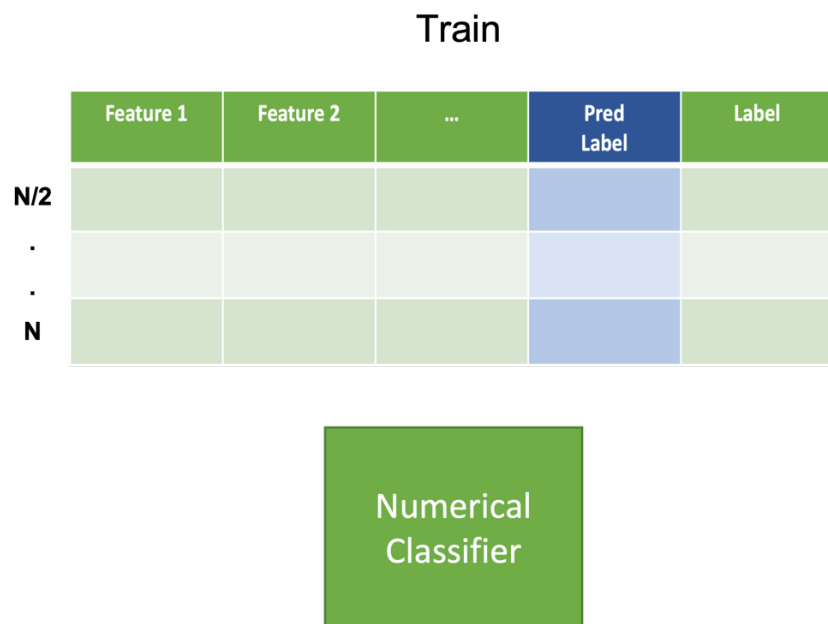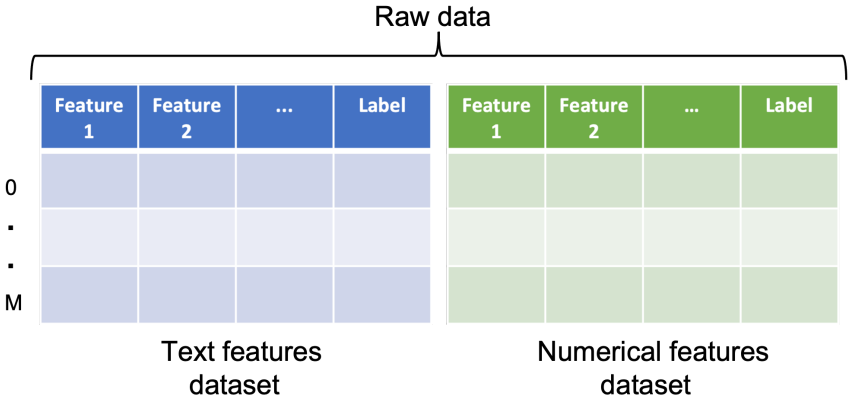*Figure 1. Process of Training in Q6*

1. Creating two test datasets from raw data (M is length of whole test dataset):

Raw data

Feature 1	Feature 2	...	Label		Feature 1	Feature 2	...	Label

0
.
.
M

Text features dataset   Numerical features dataset

2. Testing of Text Classifier on whole dataset:

Test

Feature 1	Feature 2	...	Label

0
.
.
M

Text Classifier

Result →

Pred Label

0
.
.
.
M

3. Testing of Numerical Classifier on whole dataset:

Test

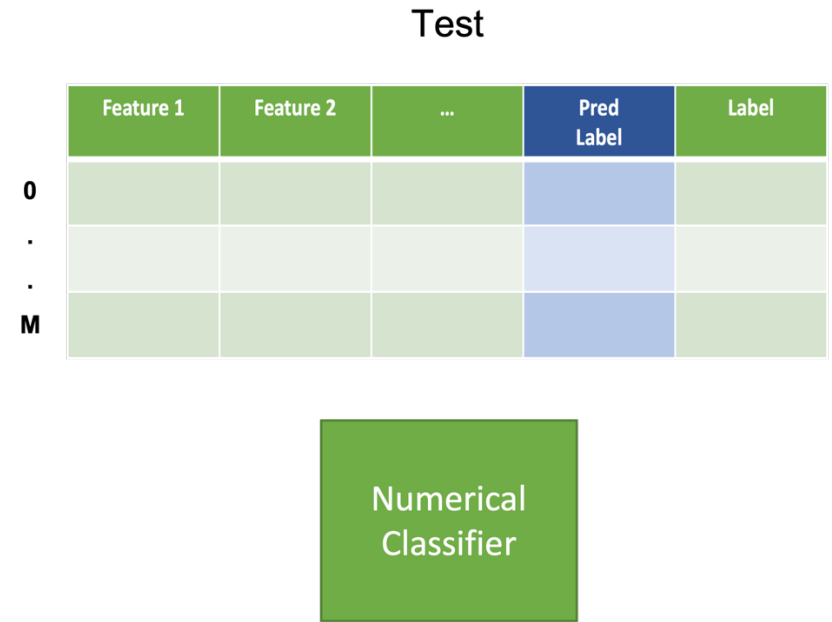| Feature 1	Feature 2	...	Pred Label	Label

0
.
.
M

Numerical Classifier

Figure 2.Process of Testing in Q6