

Letter indification using different classification methods

Data

Obtain letters Data

20000 rows with 16 feature columns and 1 class column

Basic objectives of the study defined

Split data into train, validation and test sets

Load data into framework using pandas

Use different supervised and unsupervised classification to identify the letter and compare different methods

Create new instance for each classifier (SGD, SVC, Naive Bayes, KMeans, GMM, Clustering)

Machine learning task

List features to train

Train one of the classifier

Test classifier and evaluate performance

Performance measurement for that classifier

Are all the classifier evaluated?

Yes

No

Compare classifier based on performance measure

Prepare plots and statistics

Report Findings

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