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 MAPE  
 42  
 80%  
 20%  
 ?  
 ?  
 ?  
 $m \in$   
 $\{2, 4, 8, 16, 32, 64, 128, 256\}^1$   
 $y$   
 $y$   
 $y$

$$LossMAE = \frac{1}{N} \sum_{i=1}^N |x^{(i)} - y^{(i)}|.$$

2

$$LossMAPE = \frac{1}{N} \sum_{i=1}^N \frac{|x^{(i)} - y^{(i)}|}{x^{(i)}}.$$

$x^{(i)}$   
 $\bar{x}^{(i)}$

$$LossMAAE = \frac{1}{N} \sum_{i=1}^N \frac{|x^{(i)} - y^{(i)}|}{\bar{x}^{(i)}}.$$

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Size  
 $m =$   
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 $FT9 - FT10$   
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Accuracy	Precision	Specificity	Sensitivity	F-Measure
$\frac{TP+TN}{TP+TN+FP+FN}$	$\frac{TP}{TP+FP}$	$\frac{TN}{TN+FP}$	$\frac{TP}{FN+TP}$	$\frac{2 \cdot Precision \cdot Sensitivity}{Sensitivity + Precision}$

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921600  
 3600s

*per\_file.pdf* Accumulated variance per sample, considering a sample as each recording file.

??  
*per\_person.pdf* Accumulated variance per sample, considering a sample as being all the recordings of each person.

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*all.pdf* Total accumulated variance in the first ten people of the dataset, as granular as possible.

10  
 $FT9 -$   
 $FT10$

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Dimension k\_neighbor svm\_linear svm\_radial decision\_tree random\_forest multi\_layer ada\_boost gaussian

2  
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 8  
 16  
 32  
 64  
 128

Dimension k\_neighbor svm\_linear svm\_radial decision\_tree random\_forest multi\_layer ada\_boost gaussian

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 4  
 8  
 16  
 32  
 64  
 128

2.pdf Classification Accuracy Result of AE - CDNN - MAE for Dataset1[?], Reproduced Original and Difference.

3.pdf Classification Accuracy Result of AE - CDNN - MAE for Dataset1[?], Reproduced Original and Difference.

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Dimension k\_neighbor svm\_linear svm\_radial decision\_tree random\_forest multi\_layer ada\_boost gaussian

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Dimension k\_neighbor svm\_linear svm\_radial decision\_tree random\_forest multi\_layer ada\_boost gaussian

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4.pdf Classification Accuracy Result of AE - CDNN - MAE for Dataset2[?], Reproduced Original and Difference.

5.pdf Classification Accuracy Result of AE - CDNN - MAE for Dataset2[?], Reproduced Original and Difference.

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$$\dot{m} =$$

$F_{measure}$   
 $ROC$   
 $AUC$

$k$   
Dimensionk\_neighborssvm\_linearsvm\_radialdecision\_treerandom\_forestmulti\_layerada\_boostgaussian

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