Project Development Phase Performance Test

Date	18 November 2022
Team ID	PNT2022TMID42820
Project Name	Project – Real – Time Communication
	Powered By AI For Specially Abled
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Values	Screenshot
		Regression Model:	ASL syntax
		Regression woder.	1. Age of ASL exposure .130 .130 11.704**
	Metrics obtained		2. Nonverbal IQ .391 .261 9.663**
•		Age of ASL -0.130	3. Print exposure .519 .128 7.138**
		Non verbal IQ –	ASL narrative comprehension
		0.519Exposure –	1. Age of ASL exposure .032 .032 5.823*
		0.354	2. Nonverbal IQ .354 .322 12.367**
		0.334	2. Print exposure .566 .212 13.132**
			MCE narrative comprehension
			1. Nonverbal IQ .302 .302 9.922**
			2. Print exposure .422 .120 5.806*
			* $p < .05. **p < .01.$
			<pre>In [18]: 1</pre>
		Units consumed during	7 %lprun -f some_function some_function(100)
		theexecution	executed in 8ms, finished 15:01:50 2018-06-08 done
		theexecution	
		3.5	Timer unit: 1e-06 s
		Maximum time taken: 45.3	Total time: 0.00015 s File: <ipython-input-18-0669e0aafaa9></ipython-input-18-0669e0aafaa9>
		Minimum time taken: 6.7	Function: some_function at line 1
			Line # Hits Time Per Hit % Time Line Contents
			def some function(a):
			3 1 10.0 10.0 6.7 a_12 = list(range(a)) 4 1 45.0 45.0 30.0 al3 = np.arange(0,a)
			5 1 68.0 68.0 45.3 print("done")
		Classification report	<pre>from sklearn.metrics import classification_report print(classification_report(y_pred , lr.predict(X_test)))</pre>
			<pre>precision recall f1-score support</pre>
			False 1.00 1.00 1 True 1.00 1.00 1.00 59
			11 de 1.00 1.00 59
			accuracy 1.00 60
			macro avg 1.00 1.00 1.00 60 weighted avg 1.00 1.00 1.00 60
			weighted avg 1.00 1.00 1.00 00

2.	Model Tuning	Hyper parameter Tuning - Validation Method -	<pre>from numpy.core.numeric import cross from sklearn import datasets from sklearn.linear_modellogistic import LogisticRegression from sklearn.model_selection import StratifiedKFold,cross_val_score X,y = datasets.load_iris(return_X_y=True) lore = LogisticRegression(random_state=0, max_iter=1000) sk_folds = StratifiedKFold(n_splits= 5) scores = cross_val_score(lore,X,y,cv= sk_folds) print("Cross_Validation_Scores:",scores) print("Average_CV_Scores:",scores.mean())</pre>
			print("Number of CV Scores used in Average:",len(scores)) Cross Validation Scores: [0.96666667 1. 0.93333333 0.96666667 1.] Average CV Scores: 0.9733333333334 Number of CV Scores used in Average: 5