Chethan Kothwal A20423243

Classifier	KNeighborsClassifier				
Parameters	n_neighbors=1				
	result1	result2	result3	mean result	
fit_time	10.26216149	10.64477944	10.83164954	10.57953016	
score_time	823.6112087	824.5027545	823.7942252	823.9693961	
test_f1	0.12716763	0.11343284	0.12316716	0.121255877	
test_precision	0.13017751	0.12025316	0.12727273	0.125901133	
test_recall	0.12429379	0.10734463	0.11931818	0.116985533	

Classifier KNeighborsClassifier

	result1	result2	result3	mean result
fit_time	5.58601642	5.62989879	5.61995482	5.611956677
score_time	829.52474	830.7724159	830.5889056	830.2953538
test_f1	0.04901961	0.07619048	0.0952381	0.07348273
test_precision	0.18518519	0.24242424	0.29411765	0.240575693
test_recall	0.02824859	0.04519774	0.05681818	0.043421503

Classifier KNeighborsClassifier

Parameters	n	neighbors=5

	result1	result2	result3	mean result
fit_time	4.68952322	4.66172552	4.65854526	4.669931333
score_time	791.1665564	782.7784228	15321.29571	5631.746897
test_f1	0.03225806	0.03208556	0.04301075	0.03578479
test_precision	0.33333333	0.3	0.4	0.34444443
test_recall	0.01694915	0.01694915	0.02272727	0.01887519

SVC classifier parameters that returned a mean zero f1

С		kernel	degree	gamma
	0.0000001	linear	N/A	N/A
	0.000001	linear	N/A	N/A
	0.00001	linear	N/A	N/A
	0.0001	linear	N/A	N/A
	0.001	linear	N/A	N/A
	0.0000001	poly	2	2 N/A
	0.000001	poly		2 N/A
	0.00001	poly		2 N/A
	0.0001	poly		2 N/A
	0.001	poly		2 N/A
	0.01	poly		2 N/A
	0.1	poly		2 N/A
	1	poly		2 N/A
	10	poly		2 N/A
	0.0000001	poly	;	3 N/A
	0.000001	poly	;	3 N/A
	0.00001	poly	;	3 N/A
	0.0001	poly	;	3 N/A
	0.001	poly	;	3 N/A

0.01	poly		3 N/A
0.1	poly		3 N/A
1	poly		3 N/A
10	poly		3 N/A
0.000001	poly		4 N/A
0.000001	poly		4 N/A
0.00001	poly		4 N/A
0.0001	poly		4 N/A
0.001	poly		4 N/A
0.01	poly		4 N/A
0.1	poly		4 N/A
1	poly		4 N/A
10	poly		4 N/A
100	poly		4 N/A
0.000001	poly		5 N/A
0.000001	poly		5 N/A
0.00001	poly		5 N/A
0.0001	poly		5 N/A
0.001	poly		5 N/A
0.01	poly		5 N/A
0.1	poly		5 N/A
1	poly		5 N/A
10	poly		5 N/A
100	poly		5 N/A
0.0000001		N/A	auto
0.000001	rbf	N/A	auto
	rbf	N/A	auto
0.0001		N/A	auto
0.001		N/A	auto
0.01		N/A	auto
0.1		N/A	auto
	rbf	N/A	auto
10	rbf	N/A	auto
0.01	siamoid		

0.01 sigmoid 0.1 sigmoid 1 sigmoid

Best (in terms of mean F1) SVC result I got Parameters C=0.1 kernel=linear

raiailleteis	C-0.1	kerrier-illiear		
	result1	result2	result3	mean result
fit_time	59.02398705	57.57444429	58.0353086	58.21124665
score_time	62.7591846	59.87236476	60.7551825	61.12891062
test_f1	0.6875	0.62295082	0.66878981	0.659746877
test_precision	0.72151899	0.66197183	0.68027211	0.687920977
test_recall	0.6440678	0.53107345	0.56818182	0.58110769