

TEST ACCURACY COMPARISON OF KNN. (NOISE RATE 5%)

Data set	KNN	CAGBS-KNN
diabetes	0.6095	0.6537
sonar	0.4761	0.5382
creditApproval	0.6478	0.6899
votes	0.8920	0.9195
fourclass	0.6700	0.7714
breastcancer	0.8278	0.8331
isolet5	0.9756	1
mushrooms	0.9930	0.9957
svmguide1	0.4551	0.5225
splice	0.6900	0.7030
clean1	0.9937	1
svmguide3	0.6783	0.7437
codran	0.6849	0.6528

TEST ACCURACY COMPARISON OF KNN. (NOISE RATE 10%)

Data set	KNN	CAGBS-KNN
diabetes	0.5831	0.6576
sonar	0.4858	0.5869
creditApproval	0.6826	0.6913
votes	0.8391	0.8805
fourclass	0.6400	0.7656
breastcancer	0.7266	0.8375
isolet5	0.9480	1
mushrooms	0.9751	0.9935
svmguide1	0.4579	0.5386
splice	0.6880	0.6940
clean1	0.9895	1
svmguide3	0.6970	0.7398
codran	0.6425	0.6507

TEST ACCURACY COMPARISON OF KNN. (NOISE RATE 15%)

Data set	KNN	CAGBS-KNN
diabetes	0.5166	0.6537
sonar	0.4858	0.5334
creditApproval	0.6029	0.6826
votes	0.8230	0.8782
fourclass	0.6277	0.7146
breastcancer	0.7214	0.8258
isolet5	0.9282	1
mushrooms	0.9420	0.9913
svmguide1	0.4712	0.5413
splice	0.6190	0.6720
clean1	0.9832	1
svmguide3	0.6604	0.7305
codran	0.6145	0.6393

TEST ACCURACY COMPARISON OF KNN. (NOISE RATE 20%)

Data set	KNN	CAGBS-KNN
diabetes	0.5235	0.6589
sonar	0.4566	0.5386
creditApproval	0.6493	0.6705
votes	0.7655	0.8782
fourclass	0.6299	0.7100
breastcancer	0.7339	0.8551
isolet5	0.8916	1
mushrooms	0.8871	0.9846
svmguide1	0.4518	0.5849
splice	0.6350	0.6550
clean1	0.9790	1
svmguide3	0.6296	0.7227
codran	0.6058	0.6122

TEST ACCURACY COMPARISON OF KNN. (NOISE RATE 30%)

Data set	KNN	CAGBS-KNN
diabetes	0.5004	0.6082
sonar	0.2401	0.7315
creditApproval	0.5710	0.6594
votes	0.7310	0.8713
fourclass	0.5427	0.6763
breastcancer	0.6090	0.8565
isolet5	0.8897	1
mushrooms	0.7719	0.9307
svmguide1	0.4282	0.5875
splice	0.5720	0.6460
clean1	0.9811	1
svmguide3	0.5755	0.7095
codran	0.5695	0.6128

TEST ACCURACY COMPARISON OF KNN. (NOISE RATE 40%)

Data set	KNN	CAGBS-KNN
diabetes	0.5224	0.6719
sonar	0.4037	0.4564
creditApproval	0.5522	0.6493
votes	0.554	0.7632
fourclass	0.5753	0.6914
breastcancer	0.5620	0.6914
isolet5	0.8230	0.9731
mushrooms	0.6640	0.8090
svmguide1	0.4280	0.4709
splice	0.5090	0.5330
clean1	0.9790	0.9874
svmguide3	0.5140	0.6300
codran	0.5556	0.5952

TEST ACCURACY COMPARISON OF DT. (NOISE RATE 5%)

Data set	DT	CAGBS-DT
diabetes	0.5012	0.6745
sonar	0.4767	0.5822
creditApproval	0.4594	0.5551
votes	0.6345	0.8552
fourclass	0.5186	0.7262
breastcancer	0.8828	0.8725
isolet5	0.8691	1
mushrooms	0.9132	0.9948
svmguide1	0.4590	0.5729
splice	0.4890	0.6530
clean1	0.8952	1
svmguide3	0.4828	0.7041
codran	0.5110	0.5721

TEST ACCURACY COMPARISON OF DT. (NOISE RATE 10%)

Data set	DT	CAGBS-DT
diabetes	0.4267	0.6602
sonar	0.4330	0.5382
creditApproval	0.4014	0.5551
votes	0.6322	0.8506
fourclass	0.5751	0.7204
breastcancer	0.8345	0.9017
isolet5	0.8210	1
mushrooms	0.8587	0.9876
svmguide1	0.5372	0.5720
splice	0.4840	0.5770
clean1	0.8717	1
svmguide3	0.4796	0.7196
codran	0.4921	0.5624

TEST ACCURACY COMPARISON OF DT. (NOISE RATE 15%)

Data set	DT	CAGBS-DT
diabetes	0.4269	0.6368
sonar	0.4175	0.5530
creditApproval	0.4826	0.5580
votes	0.4483	0.8092
fourclass	0.5950	0.7135
breastcancer	0.5106	0.8622
isolet5	0.7972	1
mushrooms	0.8039	0.9894
svmguide1	0.4531	0.5631
splice	0.4370	0.6170
clean1	0.8465	1
svmguide3	0.4410	0.6900
codran	0.5305	0.5943

TEST ACCURACY COMPARISON OF DT. (NOISE RATE 20%)

Data set	DT	CAGBS-DT
diabetes	0.3359	0.6939
sonar	0.4560	0.5668
creditApproval	0.4768	0.5551
votes	0.4621	0.8046
fourclass	0.5348	0.7204
breastcancer	0.2211	0.8652
isolet5	0.8377	1
mushrooms	0.7594	0.9844
svmguide1	0.4177	0.4792
splice	0.4470	0.5580
clean1	0.7859	1
svmguide3	0.2937	0.7194
codran	0.5189	0.5762

TEST ACCURACY COMPARISON OF DT. (NOISE RATE 30%)

Data set	DT	CAGBS-DT
diabetes	0.4559	0.6081
sonar	0.5056	0.5339
creditApproval	0.4739	0.6116
votes	0.4713	0.8437
fourclass	0.4629	0.6428
breastcancer	0.4614	0.8331
isolet5	0.7780	1
mushrooms	0.6620	0.9366
svmguidel	0.4885	0.5514
splice	0.4840	0.5910
clean1	0.8130	1
svmguidel3	0.3629	0.6737
codran	0.5110	0.6012

TEST ACCURACY COMPARISON OF DT. (NOISE RATE 40%)

Data set	DT	CAGBS-DT
diabetes	0.3008	0.4868
sonar	0.4667	0.5287
creditApproval	0.5159	0.5957
votes	0.4092	0.6598
fourclass	0.5289	0.6891
breastcancer	0.5621	0.8375
isolet5	0.8288	1
mushrooms	0.5825	0.7394
svmguidel	0.5444	0.5572
splice	0.4580	0.5230
clean1	0.8048	1
svmguidel3	0.3848	0.5880
codran	0.4643	0.5104