Dataset: iris NRMS values

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.0097	0.0318	0.0211	0.0517	planned 1	0.2971
Sipmle UD	0.0071	0.2340	0.0267	0.0279	planned 2	0.1092
Medium	0.0173	0.0335	0.0493	0.0746	planned 3	0.1054
Medium UD	0.0308	0.0103	0.0189	0.1048	Imputation Param	Value
Complex	0.0291	0.0546	0.0528	0.1018	Number of SV :	2
Complex UD	0.0233	0.0505	0.0599	0.0503	Number of Iteration :	1
Blended	0.0101	0.0250	0.0522	0.0747		
Blended UD	0.0270	0.2650	0.0557	0.0486		

Dataset: wine NRMS values

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.0000	0.0430	0.0492	0.0523	planned 1	0.3462
Sipmle UD	0.0001	0.0025	0.0433	0.0231	planned 2	0.0218
Medium	0.0294	0.0567	0.0448	0.1029	planned 3	0.0485
Medium UD	0.0001	0.0008	0.0006	0.0086	Imputation Param	Value
Complex	0.0275	0.0644	0.1055	0.1215	Number of SV :	7
Complex UD	0.0236	0.0944	0.0017	0.1996	Number of Iteration :	1
Blended	0.0010	0.0798	0.0240	0.0972		
Blended UD	0.0256	0.0036	0.0545	0.0262		

Dataset: 4-gauss NRMS values

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.0159	0.0467	0.0631	0.0878	planned 1	0.3906
Sipmle UD	0.0217	0.0390	0.0515	0.0809	planned 2	0.1902
Medium	0.0358	0.0769	0.1235	0.1679	planned 3	0.2331
Medium UD	0.0404	0.0561	0.0636	0.1067	Imputation Param	Value
Complex	0.0535	0.1206	0.1628	0.2306	Number of SV :	7
Complex UD	0.0648	0.0827	0.1211	0.2315	Number of Iteration :	1
Blended	0.0451	0.0899	0.1181	0.1775		
Blended UD	0.0382	0.0756	0.1290	0.1731		

Dataset: Adult NRMS values (only considering numeric data)

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.0124	0.0321	0.0368	0.0553	planned 1	0.5949
Sipmle UD	0.0125	0.0290	0.0357	0.0581	planned 2	0.2282
Medium	0.0267	0.0591	0.0927	0.1254	planned 3	0.0181
Medium UD	0.0000	0.0102	0.0122	0.2168	Imputation Param	Value
Complex	0.0375	0.0941	0.1266	0.1777	Number of SV :	8
Complex UD	0.0029	0.1130	0.1585	0.2222	Number of Iteration :	1
Blended	0.0269	0.0630	0.0973	0.1323		
Blended UD	0.0263	0.0992	0.0789	0.1106		

AE values (only considering categorical data)

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.9996	0.9977	0.9953	0.9909	planned 1	0.6898
Sipmle UD	0.9996	0.9977	0.9955	0.9909	planned 2	0.9019
Medium	0.9978	0.9887	0.9776	0.9547	planned 3	0.8703
Medium UD	0.9994	0.9888	0.9764	0.9246	Imputation Param	Value
Complex	0.9958	0.9780	0.9563	0.9132	Number of SV :	8
Complex UD	0.9958	0.9793	0.9581	0.9178	Number of Iteration :	1
Blended	0.9975	0.9884	0.9766	0.9515		
Blended UD	0.9979	0.9842	0.9815	0.9606		

Due to large number of rows, the imputation process could take couple of minutes. This is especially true for dataset which has large number of missing values (e.g, Pattern 2). It could take even 10-15 minutes.

Dataset: BCW   NRMS values

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.0182	0.0379	0.0674	0.0770	planned 1	0.5161
Sipmle UD	0.0165	0.0500	0.0480	0.0863	planned 2	0.3688
Medium	0.0357	0.0671	0.0906	0.1384	planned 3	0.3260
Medium UD	0.0350	0.0747	0.1351	0.2236	Imputation Param	Value
Complex	0.0381	0.1045	0.1524	0.2221	Number of SV :	5
Complex UD	0.0560	0.1360	0.1825	0.2236	Number of Iteration :	1
Blended	0.0371	0.0679	0.1046	0.1503		
Blended UD	0.0378	0.0714	0.1569	0.1306		

Dataset: Bupa   NRMS values

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.0021	0.0201	0.0230	0.0449	planned 1	0.2730
Sipmle UD	0.0090	0.0201	0.0596	0.0517	planned 2	0.1134
Medium	0.0172	0.0360	0.0672	0.0772	planned 3	0.2724
Medium UD	0.0027	0.0491	0.1070	0.0286	Imputation Param	Value
Complex	0.0218	0.0912	0.1287	0.1201	Number of SV :	4
Complex UD	0.0142	0.0456	0.0741	0.1537	Number of Iteration :	1
Blended	0.0321	0.0405	0.0523	0.0973		
Blended UD	0.0366	0.0710	0.0345	0.1526		

Dataset: chess   NRMS values (only considering numeric data)

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.0171	0.0391	0.0561	0.0801	planned 1	0.3353
Sipmle UD	0.0195	0.0397	0.0538	0.0791	planned 2	0.1417
Medium	0.0295	0.0678	0.0938	0.1331	planned 3	0.2736
Medium UD	0.0129	0.0000	0.1066	0.1412	Imputation Param	Value
Complex	0.0375	0.0869	0.1215	0.1726	Number of SV :	4
Complex UD	0.0439	0.0974	0.1092	0.1357	Number of Iteration :	1
Blended	0.0298	0.0663	0.0957	0.1327		
Blended UD	0.0187	0.0801	0.0665	0.1146		

AE values (only considering categorical data)

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.9989	0.9937	0.9878	0.9757	planned 1	0.6691
Sipmle UD	0.9988	0.9939	0.9876	0.9757	planned 2	0.9115
Medium	0.9964	0.9819	0.9636	0.9268	planned 3	0.7953
Medium UD	0.9936	0.9781	0.9811	0.8731	Imputation Param	Value
Complex	0.9941	0.9693	0.9390	0.8765	Number of SV :	4
Complex UD	0.9936	0.9682	0.9364	0.8282	Number of Iteration :	1
Blended	0.9962	0.9816	0.9624	0.9264		
Blended UD	0.9970	0.9853	0.9659	0.9003		

Dataset: CNP   NRMS values

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.0287	0.0723	0.0946	0.1321	planned 1	0.3267
Sipmle UD	0.0297	0.0688	0.0919	0.1339	planned 2	0.4678
Medium	0.0427	0.0960	0.1376	0.1871	planned 3	0.1491
Medium UD	0.0344	0.0775	0.1460	0.2064	Imputation Param	Value
Complex	0.0442	0.0916	0.1356	0.1901	Number of SV :	2
Complex UD	0.0478	0.0758	0.1514	0.2035	Number of Iteration :	1
Blended	0.0391	0.0884	0.1282	0.1790		
Blended UD	0.0406	0.0879	0.1274	0.1902		

Dataset: Derm   NRMS values

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.0024	0.0047	0.0060	0.0070	planned 1	0.4806
Sipmle UD	0.0021	0.0350	0.0337	0.0170	planned 2	0.2272
Medium	0.0351	0.0509	0.0419	0.0932	planned 3	0.0402
Medium UD	0.0075	0.0101	0.1180	0.1610	Imputation Param	Value
Complex	0.0138	0.0551	0.1179	0.1324	Number of SV :	2
Complex UD	0.0727	0.0842	0.0324	0.0443	Number of Iteration :	1
Blended	0.0149	0.0684	0.0721	0.0841		
Blended UD	0.0414	0.0152	0.1135	0.0368		

Dataset: Difdoug   NRMS values

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.0252	0.0541	0.0611	0.0712	planned 1	0.3233
Sipmle UD	0.0157	0.0379	0.0621	0.0822	planned 2	0.2376
Medium	0.0451	0.0820	0.1125	0.1594	planned 3	0.2580
Medium UD	0.0388	0.0803	0.1404	0.1130	Imputation Param	Value
Complex	0.0653	0.1223	0.1742	0.2268	Number of SV :	7
Complex UD	0.0430	0.1141	0.1538	0.2868	Number of Iteration :	1
Blended	0.0260	0.0847	0.1218	0.1629		
Blended UD	0.0254	0.0775	0.1092	0.2390		

Dataset: Glass   NRMS values

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.0001	0.0041	0.0023	0.0055	planned 1	0.0261
Sipmle UD	0.0006	0.0020	0.0047	0.0056	planned 2	0.0087
Medium	0.0021	0.0070	0.0070	0.0111	planned 3	0.0106
Medium UD	0.0008	0.0053	0.0067	0.0107	Imputation Param	Value
Complex	0.0042	0.0088	0.0121	0.0170	Number of SV :	5
Complex UD	0.0026	0.0089	0.0115	0.0114	Number of Iteration :	1
Blended	0.0051	0.0051	0.0094	0.0121		
Blended UD	0.0051	0.0063	0.0064	0.0140		

Dataset: HOV   AE values only (as all data are categorical)

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.9997	0.9987	0.9965	0.9950	planned 1	0.7237
Sipmle UD	0.9997	0.9985	0.9977	0.9940	planned 2	0.8957
Medium	0.9980	0.9937	0.9827	0.9630	planned 3	0.9027
Medium UD	0.9977	0.9874	0.9814	0.9608	Imputation Param	Value
Complex	0.9970	0.9822	0.9615	0.9311	Number of SV :	9
Complex UD	0.9972	0.9844	0.9643	0.9188	Number of Iteration :	1
Blended	0.9985	0.9935	0.9829	0.9620		
Blended UD	0.9977	0.9922	0.9804	0.9558		

Dataset: Abalone   NRMS values

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.0121	0.0182	0.0318	0.0441	planned 1	0.2189
Sipmle UD	0.0060	0.0180	0.0396	0.0455	planned 2	0.0986
Medium	0.0087	0.0536	0.0572	0.0997	planned 3	0.2191
Medium UD	0.0017	0.0613	0.0914	0.0220	Imputation Param	Value
Complex	0.0243	0.0657	0.0779	0.1153	Number of SV :	5
Complex UD	0.0076	0.0642	0.1006	0.0401	Number of Iteration :	1
Blended	0.0201	0.0389	0.0615	0.0900		
Blended UD	0.0194	0.0369	0.0515	0.0765		

Dataset: Ionosphere   NRMS values

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.0032	0.0177	0.0430	0.0422	planned 1	0.5223
Sipmle UD	0.0288	0.0288	0.0271	0.0441	planned 2	0.3451
Medium	0.0164	0.1129	0.1347	0.1846	planned 3	0.3109
Medium UD	0.0470	0.1026	0.1760	0.1337	Imputation Param	Value
Complex	0.0291	0.1205	0.1608	0.2637	Number of SV :	18
Complex UD	0.0736	0.1189	0.1823	0.2647	Number of Iteration :	1
Blended	0.0297	0.0571	0.1069	0.1667		
Blended UD	0.0356	0.1007	0.1105	0.2109		

Dataset: PID   NRMS values

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.0139	0.0310	0.0419	0.0618	planned 1	0.4197
Sipmle UD	0.0147	0.0346	0.1397	0.0584	planned 2	0.2096
Medium	0.0345	0.0625	0.1612	0.1748	planned 3	0.2979
Medium UD	0.0738	0.0182	0.1487	0.0439	Imputation Param	Value
Complex	0.0310	0.0718	0.1327	0.2283	Number of SV :	5
Complex UD	0.0189	0.0465	0.0667	0.0764	Number of Iteration :	1
Blended	0.0341	0.0953	0.0861	0.1463		
Blended UD	0.0094	0.0524	0.1545	0.1506		

Dataset: Sheart   NRMS values

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.0110	0.0044	0.0147	0.0197	planned 1	0.1367
Sipmle UD	0.0003	0.0067	0.0085	0.0242	planned 2	0.0675
Medium	0.0008	0.0253	0.0188	0.0423	planned 3	0.0798
Medium UD	0.0055	0.0518	0.0097	0.0618	Imputation Param	Value
Complex	0.0228	0.0368	0.0386	0.0863	Number of SV :	7
Complex UD	0.0165	0.0189	0.0537	0.0835	Number of Iteration :	1
Blended	0.0079	0.0217	0.0407	0.0386		
Blended UD	0.0110	0.0148	0.0323	0.0601		

Dataset: sonar   NRMS values

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.0042	0.0100	0.0114	0.0213	planned 1	0.2375
Sipmle UD	0.0046	0.0056	0.0122	0.0186	planned 2	0.1172
Medium	0.0191	0.0307	0.0624	0.0925	planned 3	0.0752
Medium UD	0.0247	0.0445	0.0649	0.0751	Imputation Param	Value
Complex	0.0400	0.0697	0.0924	0.1459	Number of SV :	31
Complex UD	0.0262	0.0677	0.1077	0.1553	Number of Iteration :	1
Blended	0.0365	0.0451	0.0681	0.0967		
Blended UD	0.0246	0.0659	0.0704	0.1553		

Dataset: TTTTEG   AE values

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.9993	0.9972	0.9943	0.9881	planned 1	0.6923
Sipmle UD	0.9994	0.9977	0.9943	0.9894	planned 2	0.8936
Medium	0.9981	0.9903	0.9810	0.9603	planned 3	0.8885
Medium UD	0.9970	0.9941	0.9832	0.9534	Imputation Param	Value
Complex	0.9973	0.9830	0.9664	0.9292	Number of SV :	5
Complex UD	0.9961	0.9796	0.9650	0.9108	Number of Iteration :	1
Blended	0.9982	0.9901	0.9803	0.9590		
Blended UD	0.9976	0.9920	0.9851	0.9603		

Dataset: WS   NRMS values

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.0105	0.0268	0.0410	0.0622	planned 1	0.3099
Sipmle UD	0.0058	0.0270	0.0432	0.0605	planned 2	0.2300
Medium	0.0157	0.0457	0.0604	0.0954	planned 3	0.1407
Medium UD	0.0160	0.0532	0.0938	0.0944	Imputation Param	Value
Complex	0.0280	0.0655	0.0993	0.1521	Number of SV :	3
Complex UD	0.0322	0.0767	0.1024	0.1689	Number of Iteration :	1
Blended	0.0156	0.0485	0.0721	0.1106		
Blended UD	0.0359	0.0732	0.0522	0.1144		

Dataset: Yeast   NRMS values (only considering numeric data)

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.0091	0.0105	0.0236	0.0269	planned 1	0.1755
Sipmle UD	0.0066	0.0240	0.0231	0.0347	planned 2	0.0953
Medium	0.0129	0.0283	0.0415	0.0686	planned 3	0.0927
Medium UD	0.0149	0.0385	0.0654	0.0365	Imputation Param	Value
Complex	0.0185	0.0410	0.0564	0.0813	Number of SV :	5
Complex UD	0.0252	0.0520	0.0663	0.0747	Number of Iteration :	1
Blended	0.0114	0.0337	0.0465	0.0637		
Blended UD	0.0121	0.0267	0.0509	0.0655		

AE values (only considering categorical data)

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.9987	0.9966	0.9926	0.9912	planned 1	0.6678
Sipmle UD	1.0000	0.9980	0.9933	0.9845	planned 2	0.9171
Medium	0.9960	0.9872	0.9737	0.9501	planned 3	0.9131
Medium UD	1.0000	1.0000	1.0000	1.0000	Imputation Param	Value
Complex	0.9960	0.9805	0.9522	0.8976	Number of SV :	5
Complex UD	1.0000	1.0000	0.9279	0.8652	Number of Iteration :	1
Blended	0.9953	0.9838	0.9683	0.9461		
Blended UD	0.9946	0.9899	0.9805	0.9616		

Dataset: zoo   NRMS values

Models and Rates	1%	5%	10%	20%	Overlapping	No rate
Simple	0.0149	0.0125	0.0154	0.0309	planned 1	0.4215
Sipmle UD	0.0009	0.0341	0.0603	0.0955	planned 2	0.1958
Medium	0.0175	0.0738	0.1220	0.1130	planned 3	0.2572
Medium UD	0.0394	0.0451	0.1911	0.1937	Imputation Param	Value
Complex	0.0243	0.1154	0.1741	0.2513	Number of SV :	9
Complex UD	0.0667	0.0935	0.1597	0.2273	Number of Iteration :	1
Blended	0.0117	0.0665	0.1110	0.1408		
Blended UD	0.0113	0.0826	0.1046	0.0811		