

*mkaTimeSeries*  
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September 12, 2014

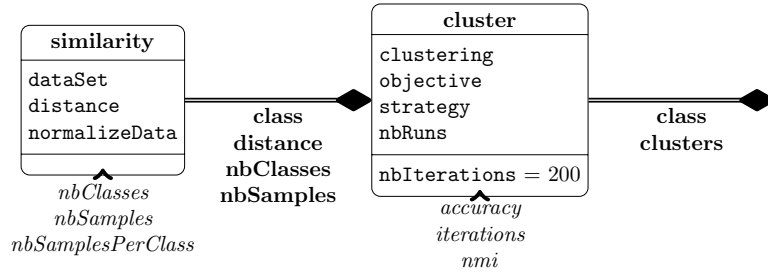


Figure 1: Factors flow graph for the experiment.

Table 1: Morphology of the datasets

	dataSet	nbClasses	nbSamples	nbSamplesPerClass
1	50words	50.00	905.00	18.10±20.56
2	Adiac	37.00	781.00	21.11±2.25
3	Beef	5.00	60.00	12.00±0.00
4	CBF	3.00	930.00	310.00±0.00
5	ChlorineConcentration	3.00	4307.00	1435.67±754.60
6	CinC_ECG_torso	4.00	1420.00	355.00±0.00
7	Coffee	2.00	56.00	28.00±1.41
8	Cricket_X	12.00	780.00	65.00±0.00
9	Cricket_Y	12.00	780.00	65.00±0.00
10	Cricket_Z	12.00	780.00	65.00±0.00
11	DiatomSizeReduction	4.00	322.00	80.50±31.20
12	ECG200	2.00	200.00	100.00±46.67
13	ECGFiveDays	2.00	884.00	442.00±0.00
14	FaceAll	14.00	2250.00	160.71±72.85
15	FaceFour	4.00	112.00	28.00±4.97
16	FacesUCR	14.00	2250.00	160.71±72.85
17	Gun_Point	2.00	200.00	100.00±0.00
18	Haptics	5.00	463.00	92.60±8.99
19	InlineSkate	7.00	650.00	92.86±21.97
20	ItalyPowerDemand	2.00	1096.00	548.00±1.41
21	Lighting2	2.00	121.00	60.50±17.68
22	Lighting7	7.00	143.00	20.43±8.18
23	MALLAT	8.00	2400.00	300.00±0.00
24	MedicalImages	10.00	1141.00	114.10±171.31
25	MoteStrain	2.00	1272.00	636.00±69.30
26	OSULeaf	6.00	442.00	73.67±20.26
27	OliveOil	4.00	60.00	15.00±7.70
28	SonyAIBORobotSurface	2.00	621.00	310.50±54.45
29	SonyAIBORobotSurfaceII	2.00	980.00	490.00±161.22
30	StarLightCurves	3.00	9236.00	3078.67±2045.12
31	SwedishLeaf	15.00	1125.00	75.00±0.00
32	Symbols	6.00	1020.00	170.00±8.81
33	Trace	4.00	200.00	50.00±0.00
34	TwoLeadECG	2.00	1162.00	581.00±0.00
35	Two_Patterns	4.00	5000.00	1250.00±43.07
36	WordsSynonyms	25.00	905.00	36.20±41.31
37	fish	7.00	350.00	50.00±0.00
38	synthetic_control	6.00	600.00	100.00±0.00
39	uWaveGestureLibrary_X	8.00	4478.00	559.75±0.46
40	uWaveGestureLibrary_Y	8.00	4478.00	559.75±0.46
41	uWaveGestureLibrary_Z	8.00	4478.00	559.75±0.46
42	wafer	2.00	7164.00	3582.00±3988.08
43	yoga	2.00	3300.00	1650.00±169.71

dataset	1
5owords	36.33±1.86
Adiac	40.26±3.06
Beef	53.92±4.30
CBF	65.00±0.74
ChlorineConcentration	38.45±0.96
CinC_ECG_torso	42.90±1.25
Coffee	84.46±10.70
Cricket_X	30.03±1.11
Cricket_Y	35.70±1.27
Cricket_Z	29.81±1.56
DiatomSizeReduction	92.61±3.50
ECG200	73.83±1.65
ECGFiveDays	51.81±0.00
FaceAll	43.02±2.07
FaceFour	59.60±1.74
FacesUCR	42.22±2.07
Gun_Point	50.00±0.00
Haptics	34.37±1.18
InlineSkate	22.24±0.87
ItalyPowerDemand	57.71±15.28
Lighting2	59.96±0.91
Lighting7	49.58±2.91
MALLAT	74.17±14.69
MedicalImages	37.78±2.39
MoteStrain	83.66±1.19
OSUleaf	39.08±1.74
OliveOil	81.58±7.94
SonyAIBORobotsSurface	87.17±10.86
SonyAIBORobotsSurfaceII	78.47±0.00
StarLightCurves	76.20±0.00
SwedishLeaf	55.64±3.49
Symbols	63.48±9.21
Trace	47.80±3.16
TwoLeadECG	53.53±0.00
Two_Patterns	31.44±1.21
WordsSynonyms	29.40±1.17
fish	49.70±2.81
synthetic_control	60.07±5.69
uWaveGestureLibrary_X	56.49±1.85
uWaveGestureLibrary_Y	51.01±1.07
uWaveGestureLibrary_Z	40.66±1.42