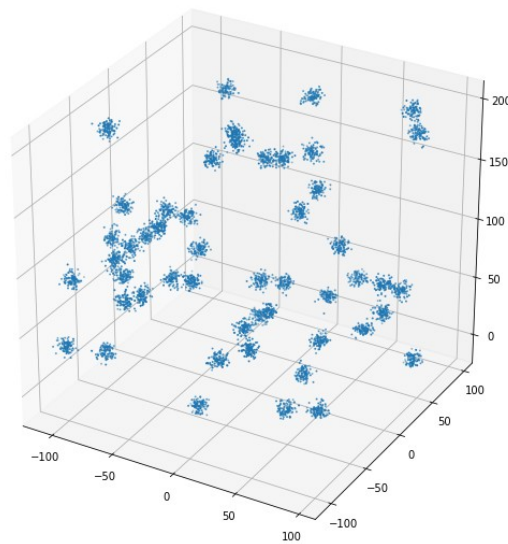
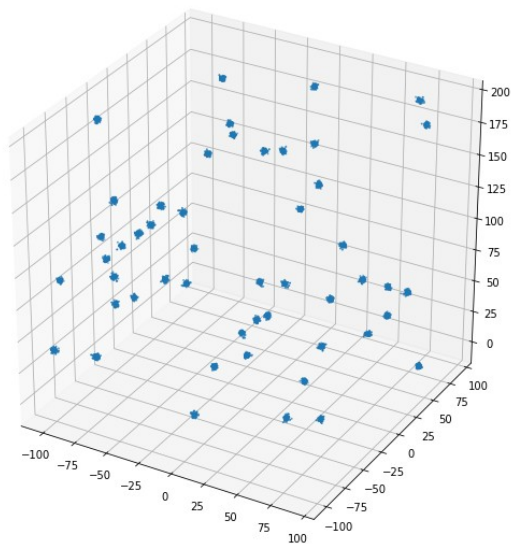


Test DBSCAN

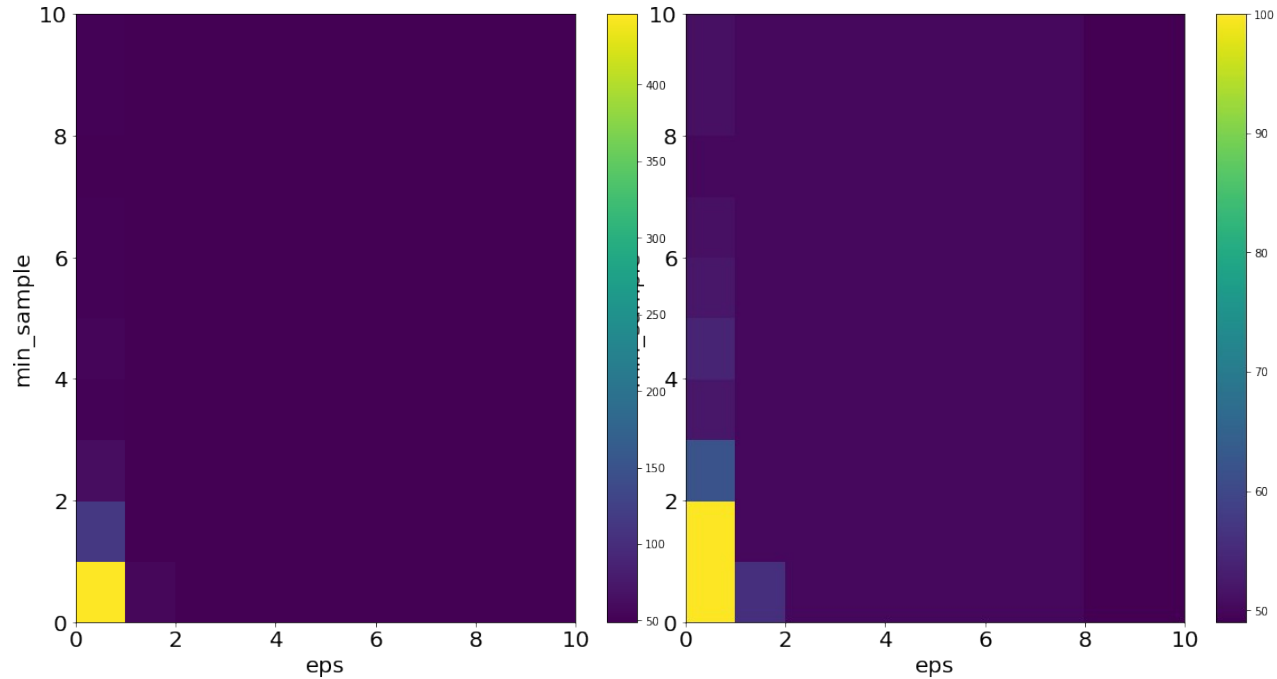
- DBSCAN 2 free parameters; **eps** and **min_sample**
- Check the clustering results by changing **eps** and **min_sample** from 1 to 10

Test DBSCAN

- Use 2 data set

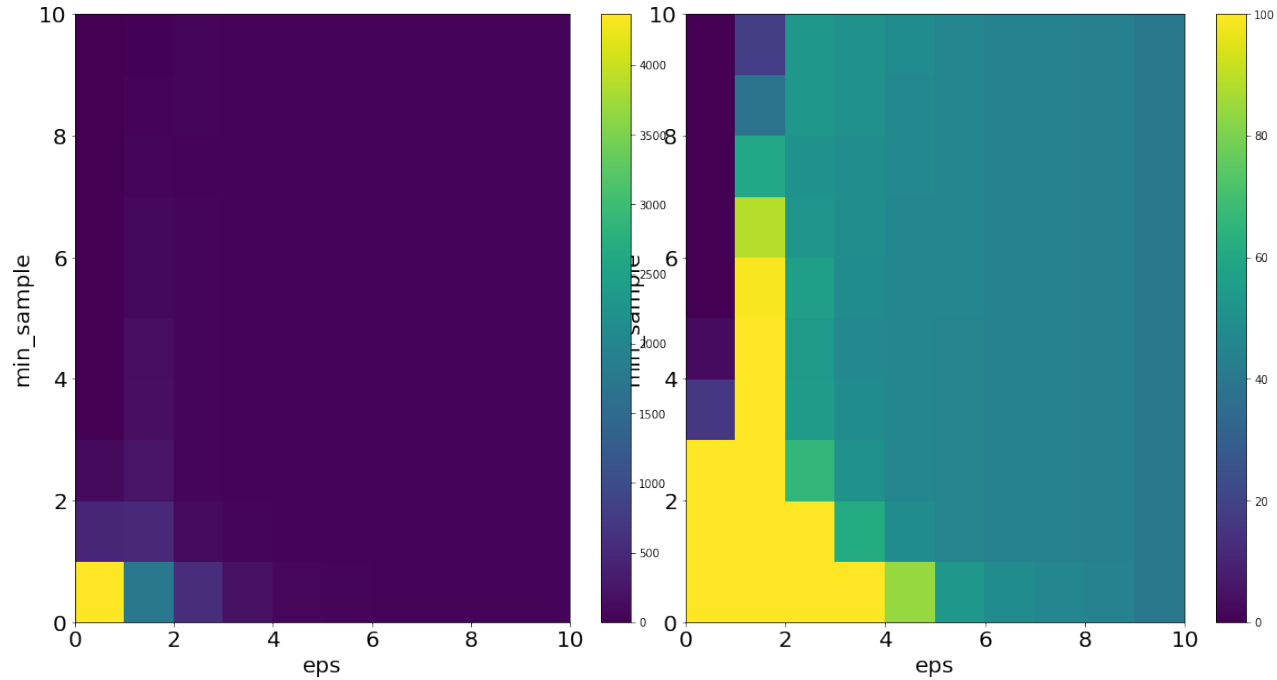


Test DBSCAN : 1st data set



- The color indicates the number of recovered cluster
- Too low eps or min_sample parameters give us incorrect the number of clusters

Test DBSCAN : 2nd data set



- The color indicates the number of recovered cluster
- Too low eps or min_sample parameters give us incorrect the number of clusters

Test 4 Algorithms : MST, MGS, DBSCAN, Hierarchical clustering

MST : cut-length (1 – 10)

MGS : fResolution (1 – 10)

DBSCAN : eps (1 – 10), min_sample=10

Hierarchical : distance_threshold (1 - 10)

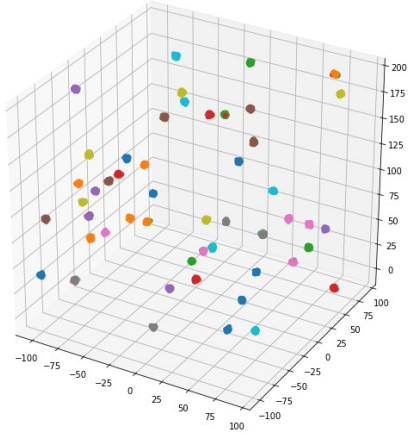
Test 4 Algorithms : MST, MGS, DBSCAN, Hierarchical clustering

Data : 1st data set

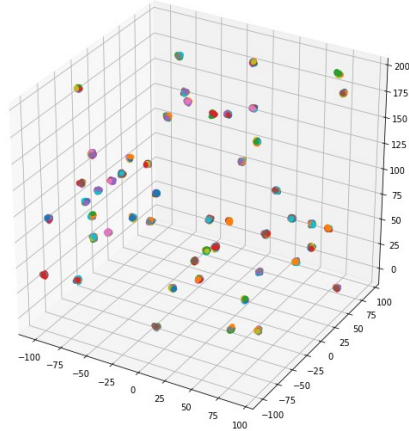
	MST	MGS	DBSCAN	Hierarchical
1	62	458	51	446
2	50	137	50	56
3	50	63	50	50
4	50	51	50	50
5	50	50	50	50
6	50	50	50	50
7	50	50	50	50
8	50	50	50	50
9	50	49	49	49
10	50	49	49	49

Test 4 Algorithms : MST, MGS, DBSCAN, Hierarchical clustering

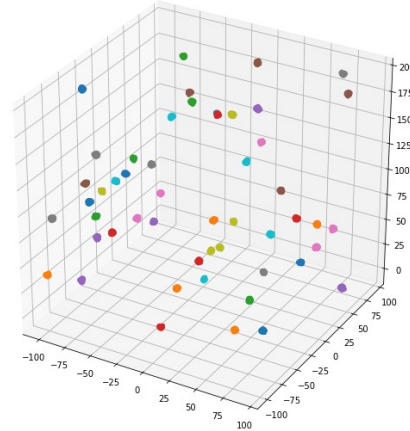
	MST	MGS	DBSCAN	Hierarchical
1	62	458	51	446



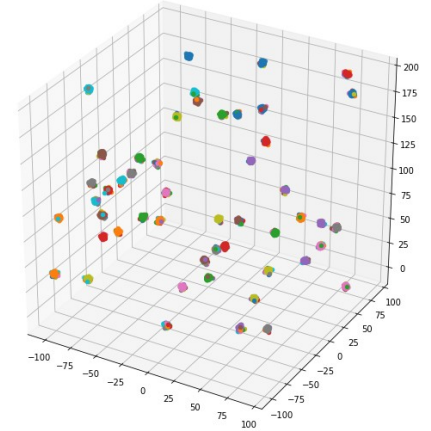
MST



MGS



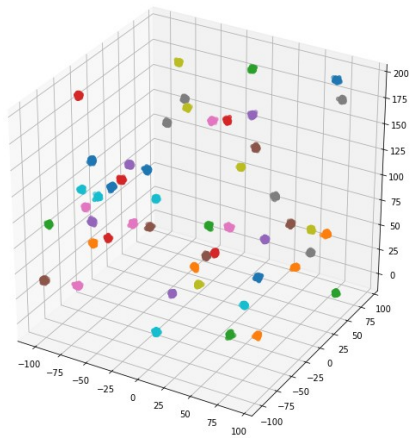
DBSCAN



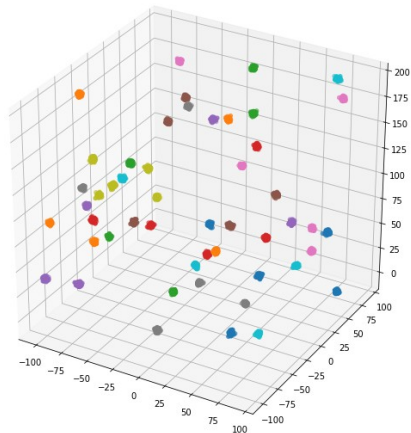
Hierarchical

Test 4 Algorithms : MST, MGS, DBSCAN, Hierarchical clustering

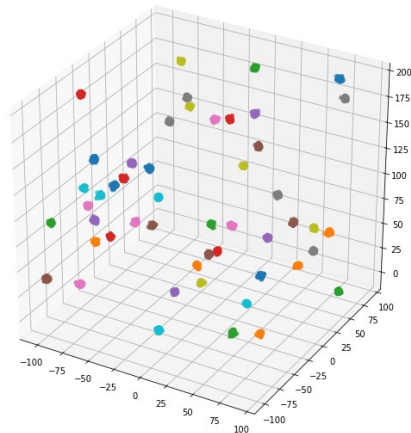
	MST	MGS	DBSCAN	Hierarchical
5	50	50	50	50



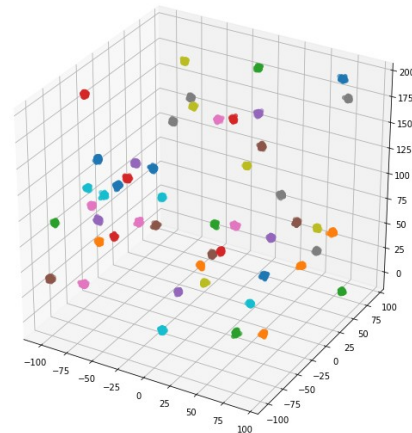
MST



MGS



DBSCAN



Hierarchical

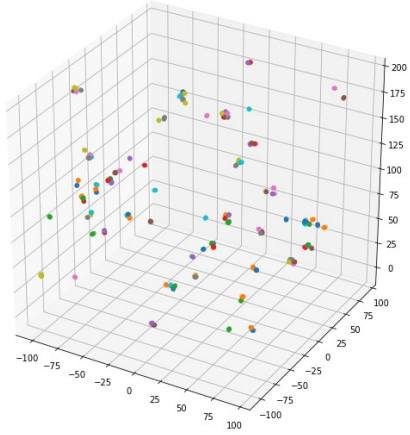
Test 4 Algorithms : MST, MGS, DBSCAN, Hierarchical clustering

Data : 2nd data set

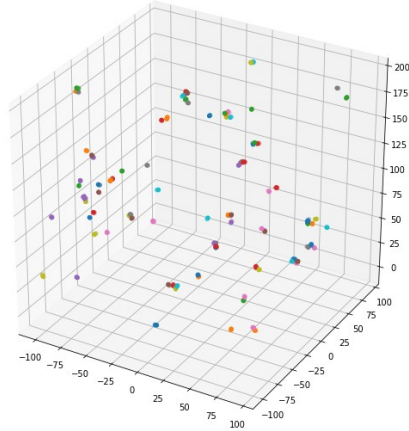
	MST	MGS	DBSCAN	Hierarchical
1	112	94	None	4368
2	236	410	18	1756
3	66	133	53	559
4	50	60	50	195
5	47	51	48	84
6	45	49	46	53
7	45	49	44	48
8	44	48	44	46
9	44	47	49	44
10	44	47	40	40

Test 4 Algorithms : MST, MGS, DBSCAN, Hierarchical clustering

	MST	MGS	DBSCAN	Hierarchical
1	112	94	None	4368



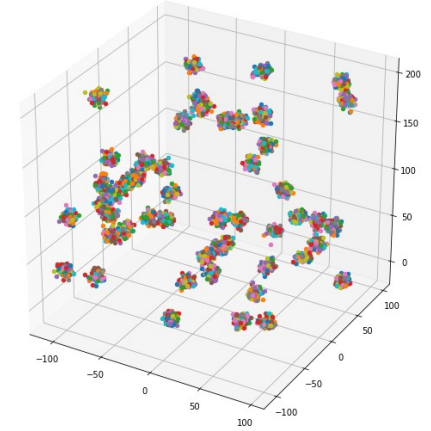
MST



MGS

None

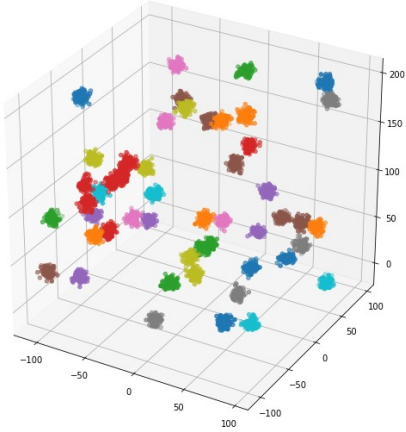
DBSCAN



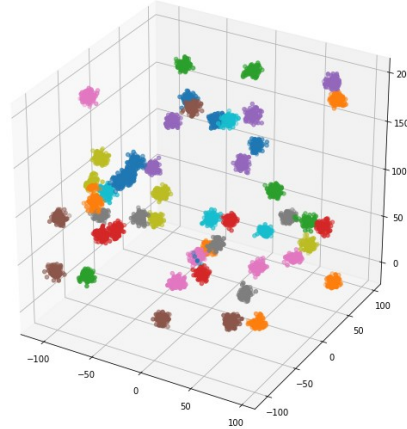
Hierarchical

Test 4 Algorithms : MST, MGS, DBSCAN, Hierarchical clustering

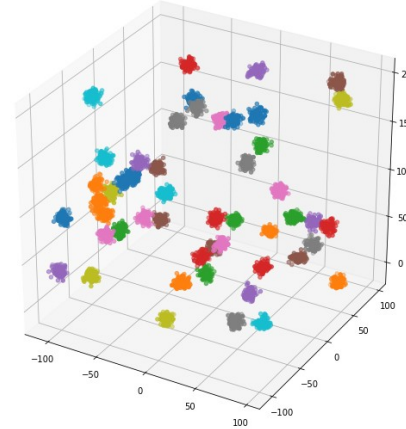
	MST	MGS	DBSCAN	Hierarchical
5	47	51	48	84



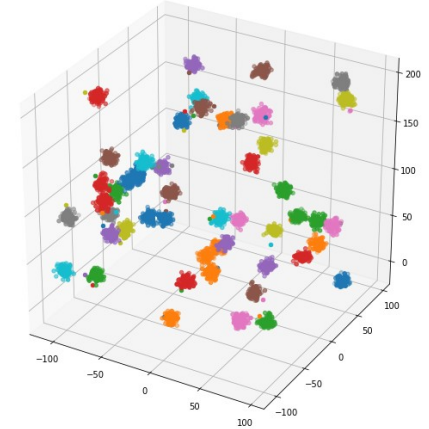
MST



MGS



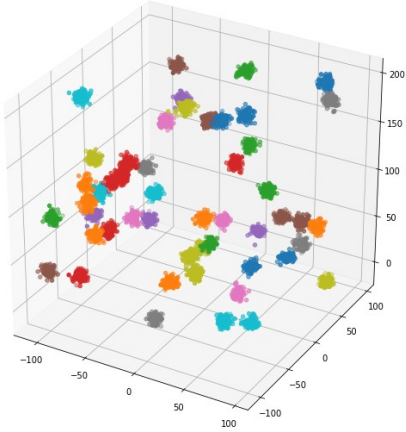
DBSCAN



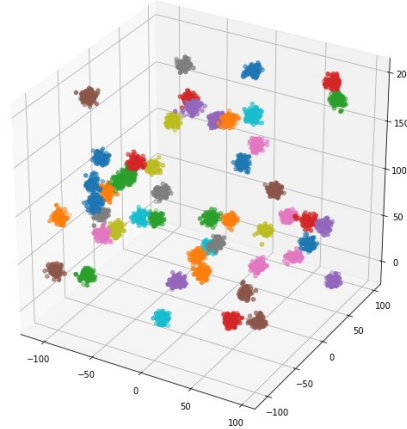
Hierarchical

Test 4 Algorithms : MST, MGS, DBSCAN, Hierarchical clustering

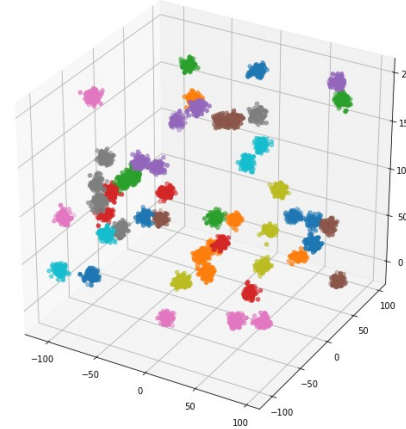
	MST	MGS	DBSCAN	Hierarchical
10	44	47	40	40



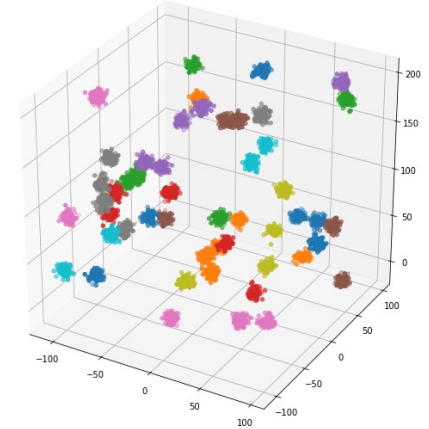
MST



MGS



DBSCAN



Hierarchical

