

לימדת מכונה - תרגיל 3

מחמוד מחאגנה - 323001206

- kmeans:

Attempt	k	Max_iter	n_init	Accuracy
1	2	20	10	0.567
2	3	20	10	0.585
3	4	20	10	0.681
4	5	20	10	0.697
5	6	20	10	0.725
6	7	20	10	0.702
7	8	20	10	0.716
8	9	20	10	0.716
9	10	20	10	0.711
10	11	20	10	0.703
11	12	20	10	0.605
12	13	20	10	0.524
13	14	20	10	0.435
14	15	20	10	0.431

- **Agglomerative:**

Attempt	linkage	distance	clusters_num	Accuracy
1	ward	20	2	0.569
2	complete	20	3	0.610
3	ward	20	4	0.681
4	ward	20	5	0.697
5	ward	20	6	0.725
6	ward	20	7	0.701
7	average	20	8	0.709
8	average	20	9	0.709
9	ward	20	10	0.708
10	complete	20	11	0.703
11	ward	20	12	0.698
12	complete	20	13	0.691
13	average	20	14	0.682
14	average	20	15	0.679

- **DBSCAN:**

Attempt	eps	min_samples	clusters_num	Accuracy
1	0.1	3	45	0.348
2	0.5	10	4	0.4491
3	1	5	6	0.681
4	1.4	7	6	0.722
5	1.5	10	6	0.722
6	2.5	10	5	0.681
7	3	20	5	0.692
8	1.5	20	6	0.688
9	0.5	10	4	0.305
10	1.5	5	5	0.689