MAE Values - CF Assignment 2

-2017010 (Agnel Aaron)

1)K-Means with euclidean distance

Mae Fold 1 : 0.8761332637780882
Mae Fold 2 : 0.8933536603169839
Mae Fold 3 : 0.887355867817912
Mae Fold 4 : 0.8837678811146912
Mae Fold 5 : 0.9038970862476037

2)Mean Shift Clustering with rbf kernel
Mae Fold 1 : 1.0579559805159662
Mae Fold 2 : 1.0662531276063387
Mae Fold 3 : 1.0668377321603129
Mae Fold 4 : 1.0624171746620725
Mae Fold 5 : 1.0572293716881151

3)Kernel K means from scratch with rbf kernel
fold 1 mae : 0.8463183616942396
fold 2 mae : 0.8491217433037755
fold 3 mae : 0.864353685266646
fold 4 mae : 0.8701899205934366
fold 5 mae : 0.8741941092163947

4)Kernel K means from scratch with additive_chi2 kernel
fold 1 mae : 0.8403788967637624
fold 2 mae : 0.8550987035835975
fold 3 mae : 0.8687279173753859
fold 4 mae : 0.8627886987070171
fold 5 mae : 0.8724494291596149

5)Kernel K means from scratch with laplacian kernel
fold 1 mae : 0.8509463755286631
fold 2 mae : 0.8522622501801788
fold 3 mae : 0.8703823609234372
fold 4 mae : 0.8718060828924221
fold 5 mae : 0.8838848236364114

6)Kernel K means from scratch with chi2 kernel
fold 1 mae : 0.8403788967637624
fold 2 mae : 0.8550987035835975
fold 3 mae : 0.8687279173753859
fold 4 mae : 0.8627886987070171
fold 5 mae : 0.8724494291596149

7)Kernel K means from scratch with cosine
fold 1 mae : 0.8504369334077472
fold 2 mae : 0.8601844649429699
fold 3 mae : 0.8724292656467519
fold 4 mae : 0.8591190766469655
fold 5 mae : 0.8868980625589301

8)AgglomerativeClustering with metric as manhattan distance
Mae Fold 1 : 0.8436984276533
Mae Fold 2 : 0.8535159183588656
Mae Fold 3 : 0.8651153147893279
Mae Fold 4 : 0.8660461830369446
Mae Fold 5 : 0.8821614520752755

9) AgglomerativeClustering with metric as l1 norm
Mae Fold 1 : 0.8037710220168129
Mae Fold 2 : 0.8165433049084527
Mae Fold 3 : 0.8221479838133668
Mae Fold 4 : 0.8213111920938856
Mae Fold 5 : 0.8350883886079955

10)AgglomerativeClustering with metric as l2 norm
Mae Fold 1 : 0.8485258144924133
Mae Fold 2 : 0.8584694952464074
Mae Fold 3 : 0.8643877595451679
Mae Fold 4 : 0.865373654732918
Mae Fold 5 : 0.879350842522081

11)OPTICS clustering with minkowski
Mae Fold 1 : 0.8591594161851399
Mae Fold 2 : 0.8782710961251048
Mae Fold 3 : 0.8832249867762779
Mae Fold 4 : 0.8780680009480718
Mae Fold 5 : 0.8897481410197657

12)WARD clustering with euclidean
Mae Fold 1 : 0.8431583275095874
Mae Fold 2 : 0.8515385811787766
Mae Fold 3 : 0.8627318273155296
Mae Fold 4 : 0.862890701972968
Mae Fold 5 : 0.8773060894180568

13)BIRCH clustering
Mae Fold 1 : 0.8434641289316437
Mae Fold 2 : 0.8477921690601621
Mae Fold 3 : 0.8617299713450177
Mae Fold 4 : 0.8679531042342076
Mae Fold 5 : 0.8678696667142268