acedec Sim4

[{'lr': 0.001}]

RESULTS: {'dataset': 'Sim4', 'adjusted\_rand\_score': 0.5607981720397561, 'adjusted\_mutual\_info\_score': 0.7639288949607967, 'purity\_score': 0.9069631363370392, 'silhouette\_score': 0.24004310468052478, 'calinski\_harabasz\_score': 2335.0769920434063, 'davies\_bouldin\_score': 1.4812524322524268}

acedec Sim15

RESULTS: {'dataset': 'Sim15', 'adjusted\_rand\_score': 0.7641134825031375, 'adjusted\_mutual\_info\_score': 0.9153654266636108, 'purity\_score': 0.9491893008365176, 'silhouette\_score': 0.2929173303444676, 'calinski\_harabasz\_score': 3902.936101977933, 'davies\_bouldin\_score': 1.3360638376493752}

acedec Sim20

[{'lr': 0.001}]

RESULTS: {'dataset': 'Sim20', 'adjusted\_rand\_score': 0.5975538930801838, 'adjusted\_mutual\_info\_score': 0.8331541571417259, 'purity\_score': 0.8760057214375112, 'silhouette\_score': 0.21711446157723702, 'calinski\_harabasz\_score': 4146.2907116973065, 'davies\_bouldin\_score': 2.4329913537442773}

acedec Sim2

[{'lr': 0.001}]

RESULTS: {'dataset': 'Sim2', 'adjusted\_rand\_score': 0.5966046448805757, 'adjusted\_mutual\_info\_score': 0.8088788977719562, 'purity\_score': 0.8893929912390488, 'silhouette\_score': 0.1762940968829648, 'calinski\_harabasz\_score': 2858.956883360094, 'davies\_bouldin\_score': 2.283484293776778}

aec Sim4

[{'lr': 1e-05}]

RESULTS: {'dataset': 'Sim4', 'adjusted\_rand\_score': -1, 'adjusted\_mutual\_info\_score': -1, 'purity\_score': -1, 'silhouette\_score': -1, 'calinski\_harabasz\_score': -1, 'davies\_bouldin\_score': -1}

aec Sim15

[{'lr': 1e-05}]

RESULTS: {'dataset': 'Sim15', 'adjusted\_rand\_score': 0.6525622924488067, 'adjusted\_mutual\_info\_score': 0.8379487758530313, 'purity\_score': 0.9127336569245069, 'silhouette\_score': 0.27025189852247755, 'calinski\_harabasz\_score': 3742.51674450749, 'davies\_bouldin\_score': 1.563902778837708}

aec Sim20

[{'lr': 1e-05}]

[1CLUST] aec, (15, 10, {'lr': 1e-05}, {'lr': 0.01}, 42)

RESULTS: {'dataset': 'Sim20', 'adjusted\_rand\_score': -1, 'adjusted\_mutual\_info\_score': -1, 'purity\_score': -1, 'silhouette\_score': -1, 'calinski\_harabasz\_score': -1, 'davies\_bouldin\_score': -1}

aec Sim2

[{'lr': 1e-05}]

RESULTS: {'dataset': 'Sim2', 'adjusted\_rand\_score': 0.45398913576818123, 'adjusted\_mutual\_info\_score': 0.7040196784668642, 'purity\_score': 0.7657227784730913, 'silhouette\_score': 0.12608798361428677, 'calinski\_harabasz\_score': 2153.919900974464, 'davies\_bouldin\_score': 2.6068574275448375}

dcn Sim4

[{'lr': 0.01}]

RESULTS: {'dataset': 'Sim4', 'adjusted\_rand\_score': 0.7494590049786953, 'adjusted\_mutual\_info\_score': 0.8233715255194531, 'purity\_score': 0.907353228008582, 'silhouette\_score': 0.2958673838251526, 'calinski\_harabasz\_score': 1987.8308630098807, 'davies\_bouldin\_score': 1.103374785901382}

dcn Sim15

[{'lr': 0.001}]

RESULTS: {'dataset': 'Sim15', 'adjusted\_rand\_score': 0.7477007807547653, 'adjusted\_mutual\_info\_score': 0.88807641119329, 'purity\_score': 0.8714241454094805, 'silhouette\_score': 0.2545133546304918, 'calinski\_harabasz\_score': 2754.160128295659, 'davies\_bouldin\_score': 1.821724876244204}

dcn Sim20

[{'lr': 0.001}]

RESULTS: {'dataset': 'Sim20', 'adjusted\_rand\_score': 0.7992467840477209, 'adjusted\_mutual\_info\_score': 0.849388707439885, 'purity\_score': 0.8623279098873592, 'silhouette\_score': 0.16236982597121324, 'calinski\_harabasz\_score': 3595.5264818548035, 'davies\_bouldin\_score': 3.396716659830799}

dcn Sim2

[{'lr': 0.001}]

RESULTS: {'dataset': 'Sim2', 'adjusted\_rand\_score': 0.4323221267282336, 'adjusted\_mutual\_info\_score': 0.7111151602801434, 'purity\_score': 0.6546464330413017, 'silhouette\_score': 0.07179298810826121, 'calinski\_harabasz\_score': 1586.9106211374751, 'davies\_bouldin\_score': 4.164878557923515}

ddc Sim4

[{'lr': 0.001}]

RESULTS: {'dataset': 'Sim4', 'adjusted\_rand\_score': 0.528268264810763, 'adjusted\_mutual\_info\_score': 0.697165044266348, 'purity\_score': 0.9061829529939536, 'silhouette\_score': 0.1816251631174158, 'calinski\_harabasz\_score': 1650.0081588950038, 'davies\_bouldin\_score': 2.4409497284026567}

ddc Sim15

[{'lr': 0.001}]

RESULTS: {'dataset': 'Sim15', 'adjusted\_rand\_score': 0.9705649521397405, 'adjusted\_mutual\_info\_score': 0.9558199787976113, 'purity\_score': 0.9811008984818754, 'silhouette\_score': 0.30937626363163845, 'calinski\_harabasz\_score': 3766.724014995181, 'davies\_bouldin\_score': 1.2030106459760552}

ddc Sim20

[{'lr': 0.001}]

RESULTS: {'dataset': 'Sim20', 'adjusted\_rand\_score': 0.8721252540993096, 'adjusted\_mutual\_info\_score': 0.8858148989802098, 'purity\_score': 0.871535848381906, 'silhouette\_score': 0.34179994616728127, 'calinski\_harabasz\_score': 5629.46572357939, 'davies\_bouldin\_score': 1.1577431591503144}

ddc Sim2

[{'lr': 0.001}]

RESULTS: {'dataset': 'Sim2', 'adjusted\_rand\_score': 0.6145408805304943, 'adjusted\_mutual\_info\_score': 0.8190574506759765, 'purity\_score': 0.7348247809762203, 'silhouette\_score': 0.2734037651729403, 'calinski\_harabasz\_score': 3647.7798257229665, 'davies\_bouldin\_score': 1.173114858088252}

dec Sim4

[{'lr': 0.001}]

RESULTS: {'dataset': 'Sim4', 'adjusted\_rand\_score': 0.5670935233875332, 'adjusted\_mutual\_info\_score': 0.7923939315884573, 'purity\_score': 0.9141798322605812, 'silhouette\_score': 0.21341390051161532, 'calinski\_harabasz\_score': 2174.7134324932426, 'davies\_bouldin\_score': 1.6894179036318626}

dec Sim15

[{'lr': 0.001}]

RESULTS: {'dataset': 'Sim15', 'adjusted\_rand\_score': 0.9295459430317394, 'adjusted\_mutual\_info\_score': 0.9610107941824193, 'purity\_score': 0.9532169782092327, 'silhouette\_score': 0.3295390701597526, 'calinski\_harabasz\_score': 3782.3377136458453, 'davies\_bouldin\_score': 1.1222446345055341}

dec Sim20

RESULTS: {'dataset': 'Sim20', 'adjusted\_rand\_score': 0.8191650113652491, 'adjusted\_mutual\_info\_score': 0.8815867434044949, 'purity\_score': 0.8002860718755588, 'silhouette\_score': 0.20699672114343978, 'calinski\_harabasz\_score': 3403.059092530046, 'davies\_bouldin\_score': 2.959437869855267}

dec Sim2

[{'lr': 0.001}]

RESULTS: {'dataset': 'Sim2', 'adjusted\_rand\_score': 0.8574378030810547, 'adjusted\_mutual\_info\_score': 0.877876026378873, 'purity\_score': 0.8395650813516896, 'silhouette\_score': 0.19606302566455114, 'calinski\_harabasz\_score': 2414.9011759700866, 'davies\_bouldin\_score': 3.691693245003414}

deepect Sim4

[{'lr': 0.01}]

RESULTS: {'dataset': 'Sim4', 'adjusted\_rand\_score': 0.13816789146508726, 'adjusted\_mutual\_info\_score': 0.45615689314217783, 'purity\_score': 0.8841427735517847, 'silhouette\_score': 0.013875098963069614, 'calinski\_harabasz\_score': 527.3296950846768, 'davies\_bouldin\_score': 3.724096335973403}

deepect Sim15

[{'lr': 0.01}]

Too many labels! Using default colors...

RESULTS: {'dataset': 'Sim15', 'adjusted\_rand\_score': 0.3796463483319912, 'adjusted\_mutual\_info\_score': 0.6062135970898255, 'purity\_score': 0.7274604977796137, 'silhouette\_score': 0.053725840386651236, 'calinski\_harabasz\_score': 1077.411682123176, 'davies\_bouldin\_score': 3.7086862271804084}

deepect Sim20

[{'lr': 0.01}]

Too many labels! Using default colors...

RESULTS: {'dataset': 'Sim20', 'adjusted\_rand\_score': 0.42538320359324044, 'adjusted\_mutual\_info\_score': 0.6237461781866858, 'purity\_score': 0.6617200071517969, 'silhouette\_score': 0.12072118813851974, 'calinski\_harabasz\_score': 1717.7600043800098, 'davies\_bouldin\_score': 3.227289959126676}

deepect Sim2

[{'lr': 0.01}]

Too many labels! Using default colors...

RESULTS: {'dataset': 'Sim2', 'adjusted\_rand\_score': 0.4204655738845682, 'adjusted\_mutual\_info\_score': 0.6463574360619669, 'purity\_score': 0.7073685857321652, 'silhouette\_score': 0.06559366827808158, 'calinski\_harabasz\_score': 1850.8662458115436, 'davies\_bouldin\_score': 2.925993835719926}

dipdeck Sim4

[{'lr': 0.01}]

RESULTS: {'dataset': 'Sim4', 'adjusted\_rand\_score': 0.31268154333508524, 'adjusted\_mutual\_info\_score': 0.4634032288471892, 'purity\_score': 0.7002145504193485, 'silhouette\_score': 0.16066178594900934, 'calinski\_harabasz\_score': 1712.5877173765425, 'davies\_bouldin\_score': 2.0203915321050117}

dipdeck Sim15

[{'lr': 0.01}]

RESULTS: {'dataset': 'Sim15', 'adjusted\_rand\_score': 0.8547087603485767, 'adjusted\_mutual\_info\_score': 0.885592760647283, 'purity\_score': 0.8664670040276774, 'silhouette\_score': 0.2887959514211305, 'calinski\_harabasz\_score': 3348.118179583603, 'davies\_bouldin\_score': 1.834621364141208}

dipdeck Sim20

[{'lr': 0.01}]

RESULTS: {'dataset': 'Sim20', 'adjusted\_rand\_score': 0.7682814754513385, 'adjusted\_mutual\_info\_score': 0.8250922724553348, 'purity\_score': 0.8459681745038441, 'silhouette\_score': 0.22434403677321943, 'calinski\_harabasz\_score': 3899.4199915122313, 'davies\_bouldin\_score': 2.9290041137794485}

dipdeck Sim2

[{'lr': 0.01}]

RESULTS: {'dataset': 'Sim2', 'adjusted\_rand\_score': 0.570133405550707, 'adjusted\_mutual\_info\_score': 0.7580143664459634, 'purity\_score': 0.8144555694618273, 'silhouette\_score': 0.1526687847018382, 'calinski\_harabasz\_score': 2378.805846587147, 'davies\_bouldin\_score': 3.172348016753387}

dipencoder Sim4

[{'lr': 0.01}]

RESULTS: {'dataset': 'Sim4', 'adjusted\_rand\_score': 0.5244127750408577, 'adjusted\_mutual\_info\_score': 0.7707028163211731, 'purity\_score': 0.9128145114101814, 'silhouette\_score': 0.20300062236812924, 'calinski\_harabasz\_score': 2118.0267217887317, 'davies\_bouldin\_score': 1.7632374243504412}

dipencoder Sim15

[{'lr': 0.01}]

RESULTS: {'dataset': 'Sim15', 'adjusted\_rand\_score': 0.8883373594965664, 'adjusted\_mutual\_info\_score': 0.9045077556172015, 'purity\_score': 0.9265723432820407, 'silhouette\_score': 0.2738972408377407, 'calinski\_harabasz\_score': 3396.6407718759096, 'davies\_bouldin\_score': 2.302614650250896}

dipencoder Sim20

[{'lr': 0.01}]

RESULTS: {'dataset': 'Sim20', 'adjusted\_rand\_score': 0.7530969106031733, 'adjusted\_mutual\_info\_score': 0.8268819274396094, 'purity\_score': 0.8393527623815483, 'silhouette\_score': 0.1690884684860083, 'calinski\_harabasz\_score': 3183.6204035576834, 'davies\_bouldin\_score': 2.9349420004879128}

dipencoder Sim2

[{'lr': 0.01}]

RESULTS: {'dataset': 'Sim2', 'adjusted\_rand\_score': 0.4111098178212762, 'adjusted\_mutual\_info\_score': 0.6914464942446715, 'purity\_score': 0.6990769712140176, 'silhouette\_score': 0.050719401930287046, 'calinski\_harabasz\_score': 1798.5188030893235, 'davies\_bouldin\_score': 2.9095518066359176}

dkm Sim4

[{'lr': 0.001}]

RESULTS: {'dataset': 'Sim4', 'adjusted\_rand\_score': 0.027444297413279237, 'adjusted\_mutual\_info\_score': 0.05144180408646285, 'purity\_score': 0.5599765944997074, 'silhouette\_score': -0.023547960679125887, 'calinski\_harabasz\_score': 85.60848291363173, 'davies\_bouldin\_score': 2.6583789092222885}

dkm Sim15

[{'lr': 0.001}]

RESULTS: {'dataset': 'Sim15', 'adjusted\_rand\_score': 0.13577167882797417, 'adjusted\_mutual\_info\_score': 0.4446126466003776, 'purity\_score': 0.48435402251368376, 'silhouette\_score': 0.170497881902304, 'calinski\_harabasz\_score': 704.0547108637089, 'davies\_bouldin\_score': 4.161072371238837}

dkm Sim20

RESULTS: {'dataset': 'Sim20', 'adjusted\_rand\_score': 0.1324511976799042, 'adjusted\_mutual\_info\_score': 0.45714329285727334, 'purity\_score': 0.470051850527445, 'silhouette\_score': 0.0027461526040961125, 'calinski\_harabasz\_score': 791.1898963052474, 'davies\_bouldin\_score': 6.778396808002981}

dkm Sim2

[{'lr': 0.001}]

RESULTS: {'dataset': 'Sim2', 'adjusted\_rand\_score': 0.06940030056917053, 'adjusted\_mutual\_info\_score': 0.3713748787807342, 'purity\_score': 0.3882978723404255, 'silhouette\_score': 0.01253160377861914, 'calinski\_harabasz\_score': 327.99929511657984, 'davies\_bouldin\_score': 5.610944893774169}

idec Sim4

[{'lr': 0.001}]

RESULTS: {'dataset': 'Sim4', 'adjusted\_rand\_score': 0.5611375292177293, 'adjusted\_mutual\_info\_score': 0.7858623946518993, 'purity\_score': 0.9141798322605812, 'silhouette\_score': 0.21040271612010644, 'calinski\_harabasz\_score': 2156.0273887169733, 'davies\_bouldin\_score': 1.7197160725537821}

idec Sim15

[{'lr': 0.001}]

RESULTS: {'dataset': 'Sim15', 'adjusted\_rand\_score': 0.929724678225048, 'adjusted\_mutual\_info\_score': 0.9602319939599895, 'purity\_score': 0.95290715687287, 'silhouette\_score': 0.3298250688485192, 'calinski\_harabasz\_score': 3780.1095664958134, 'davies\_bouldin\_score': 1.1200625017804193}

idec Sim20

[{'lr': 0.001}]

RESULTS: {'dataset': 'Sim20', 'adjusted\_rand\_score': 0.8734694179968466, 'adjusted\_mutual\_info\_score': 0.9152568721532567, 'purity\_score': 0.8778830681208654, 'silhouette\_score': 0.23017916513774933, 'calinski\_harabasz\_score': 3824.941494300977, 'davies\_bouldin\_score': 3.1253583790937918}

idec Sim2

[{'lr': 0.001}]

RESULTS: {'dataset': 'Sim2', 'adjusted\_rand\_score': 0.8618360620274063, 'adjusted\_mutual\_info\_score': 0.8822893177580975, 'purity\_score': 0.8397215269086358, 'silhouette\_score': 0.1996136068887563, 'calinski\_harabasz\_score': 2424.6862525108627, 'davies\_bouldin\_score': 3.073789577780027}

n2d Sim4

[{'lr': 0.01}]

RESULTS: {'dataset': 'Sim4', 'adjusted\_rand\_score': 0.36506227625746773, 'adjusted\_mutual\_info\_score': 0.6133825081742638, 'purity\_score': 0.8254339769845914, 'silhouette\_score': 0.16729409371562348, 'calinski\_harabasz\_score': 1702.1273699474755, 'davies\_bouldin\_score': 2.672706022240444}

n2d Sim15

[{'lr': 0.01}]

RESULTS: {'dataset': 'Sim15', 'adjusted\_rand\_score': 0.7663680785313641, 'adjusted\_mutual\_info\_score': 0.8986156051205105, 'purity\_score': 0.9533202519880203, 'silhouette\_score': 0.26124577632022006, 'calinski\_harabasz\_score': 3697.0829808263597, 'davies\_bouldin\_score': 1.9049230406015076}

n2d Sim20

[{'lr': 0.01}]

RESULTS: {'dataset': 'Sim20', 'adjusted\_rand\_score': 0.5485898453778875, 'adjusted\_mutual\_info\_score': 0.7760492551774318, 'purity\_score': 0.8400679420704452, 'silhouette\_score': 0.20708672068334438, 'calinski\_harabasz\_score': 3699.7803336083384, 'davies\_bouldin\_score': 2.460662243375199}

n2d Sim2

[{'lr': 0.01}]

RESULTS: {'dataset': 'Sim2', 'adjusted\_rand\_score': 0.4719944821225121, 'adjusted\_mutual\_info\_score': 0.7265892274527568, 'purity\_score': 0.8037390488110138, 'silhouette\_score': 0.11793731628898335, 'calinski\_harabasz\_score': 2095.2285775986034, 'davies\_bouldin\_score': 2.793685672167239}

vade Sim4

[{'lr': 0.01}]

RESULTS: {'dataset': 'Sim4', 'adjusted\_rand\_score': 0.6790006704243108, 'adjusted\_mutual\_info\_score': 0.7733107629373063, 'purity\_score': 0.8264092061634484, 'silhouette\_score': 0.16420212818762206, 'calinski\_harabasz\_score': 1806.3109548022062, 'davies\_bouldin\_score': 1.7236258203595256}

vade Sim15

[{'lr': 0.01}]

RESULTS: {'dataset': 'Sim15', 'adjusted\_rand\_score': 0.7865271872158868, 'adjusted\_mutual\_info\_score': 0.9173734436092337, 'purity\_score': 0.9302901993183931, 'silhouette\_score': 0.3143441086970841, 'calinski\_harabasz\_score': 4267.532079475487, 'davies\_bouldin\_score': 1.2521423478429021}

vade Sim20

[{'lr': 0.01}]

RESULTS: {'dataset': 'Sim20', 'adjusted\_rand\_score': 0.5841872594720818, 'adjusted\_mutual\_info\_score': 0.7357531701055543, 'purity\_score': 0.564187377078491, 'silhouette\_score': 0.2824183275368254, 'calinski\_harabasz\_score': 5241.09780303365, 'davies\_bouldin\_score': 1.2164951515677955}

vade Sim2

[{'lr': 0.01}]

RESULTS: {'dataset': 'Sim2', 'adjusted\_rand\_score': 0.8747280552001008, 'adjusted\_mutual\_info\_score': 0.8826530059866702, 'purity\_score': 0.8807884856070087, 'silhouette\_score': 0.22801718839733487, 'calinski\_harabasz\_score': 2776.3464037486588, 'davies\_bouldin\_score': 1.977045388279151}