UMass_AUC_comparison_report

Wednesday, 4 November 2020   12:16

For all models, lower AUC value denotes higher UMass coherence score.

Aspect	ABAE	Kmeans	AE-SA	AE-CSA	NMF	ABAE_SH	Sum of AUC
10	-148.874.201	-151.909.810	-145.356.715	-142.837.322	-104.959.758	-3.563.630	-697.501.436
20	-149.321.800	-154.448.616	-144.587.619	-146.663.804	-115.294.879	-5.523.148	-715.839.866
30	-150.333.167	-154.371.669	-146.056.441	-148.641.333	-120.255.853	-4.151.290	-723.809.753
40	-150.279.860	-155.410.926	-147.670.604	-149.235.099	-124.179.916	-3.099.355	-729.875.760
50	-150.610.692	-155.123.895	-148.138.198	-149.853.505	-127.195.119	-2.794.886	-733.716.295
60	-150.894.758	-155.509.730	-148.570.454	-149.694.998	-128.239.363	-2.394.719	-735.304.022
70	-151.183.497	-155.250.056	-149.043.904	-150.081.084	-129.863.126	-1.999.210	-737.420.877
80	-151.034.824	-155.081.512	-149.003.840	-150.061.577	-131.019.218	-1.728.078	-737.929.049
90	-151.236.573	-155.231.713	-149.284.444	-150.679.502	-132.296.331	-1.569.474	-740.298.037
100	-151.183.658	-155.316.483	-149.268.989	-150.320.469	-132.354.901	-1.409.682	-739.854.182
Sum of AUC	-1.504.953.030	-1.547.654.410	-1.476.981.208	-1.488.068.693	-1.245.658.464	-28.233.472	

Rank of models:
1. ABAE_SH
2. NMF
3. AE-SA
4. AE-CSA
5. ABAE
6. KMeans