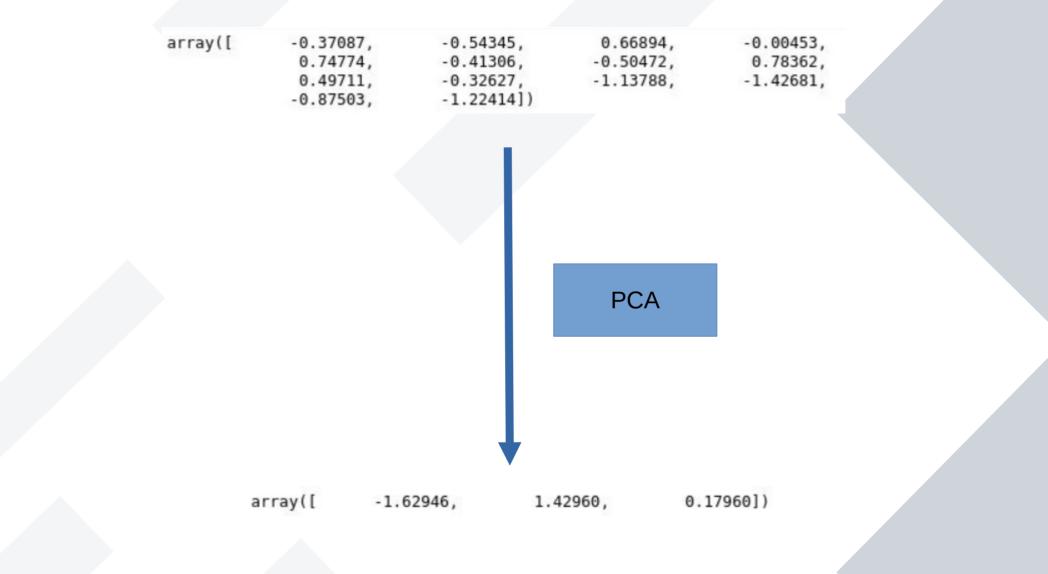


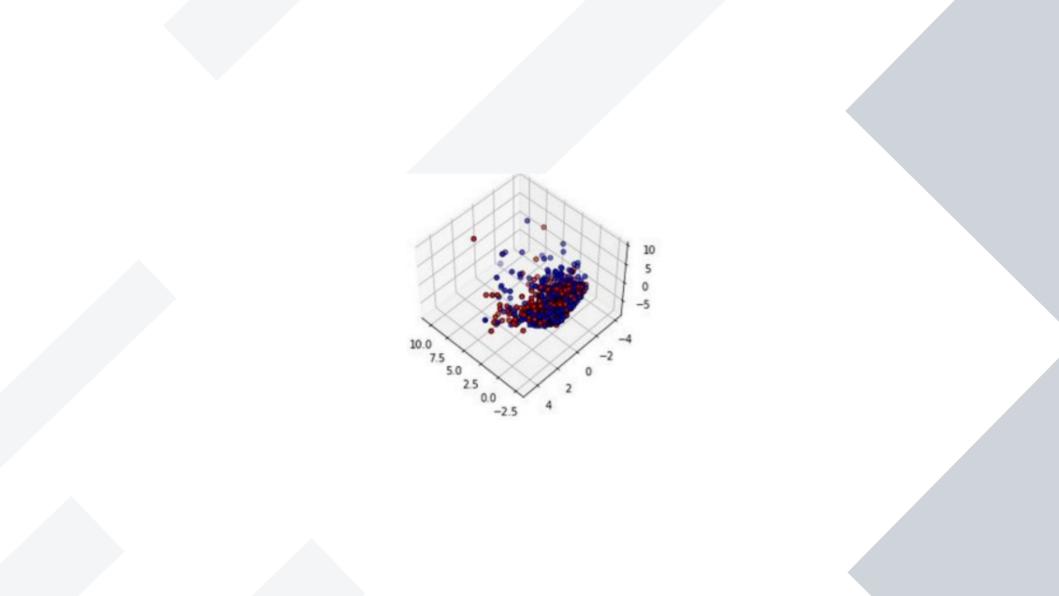
Bao Tai Le

Masterthesis update

WiSe 2024/25 19.11.2024 <u>So where am I</u> <u>today</u>

Embedding Network Classification Network Class A Class B Madrid Dublin Classification Model King class c Data Male - Female Country - Capital Verb Tense Discrete Output



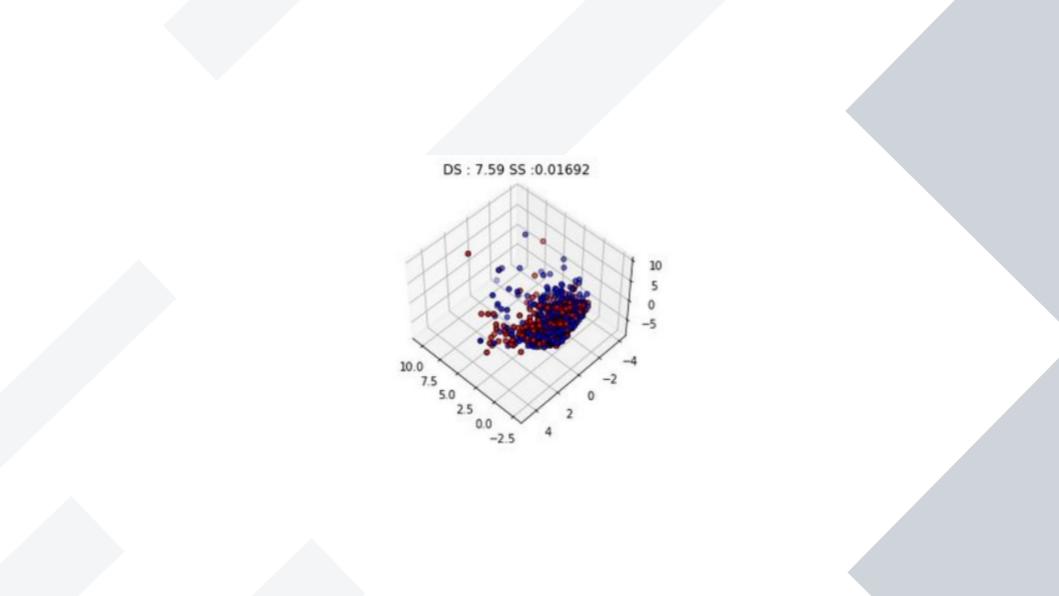


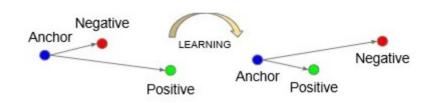
Davies Bouldin Score :

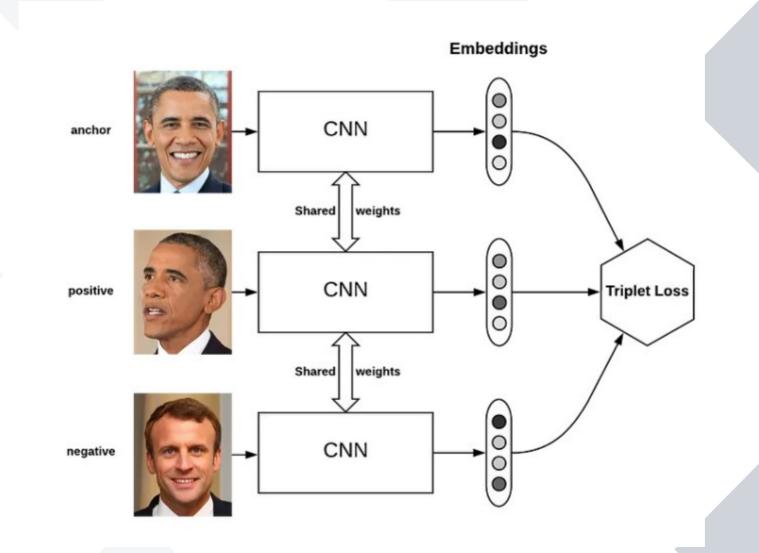
Lower index values indicate a better clustering result. The Index is improved (lowered by increased seperation between clusters and decreased variation within clusters)

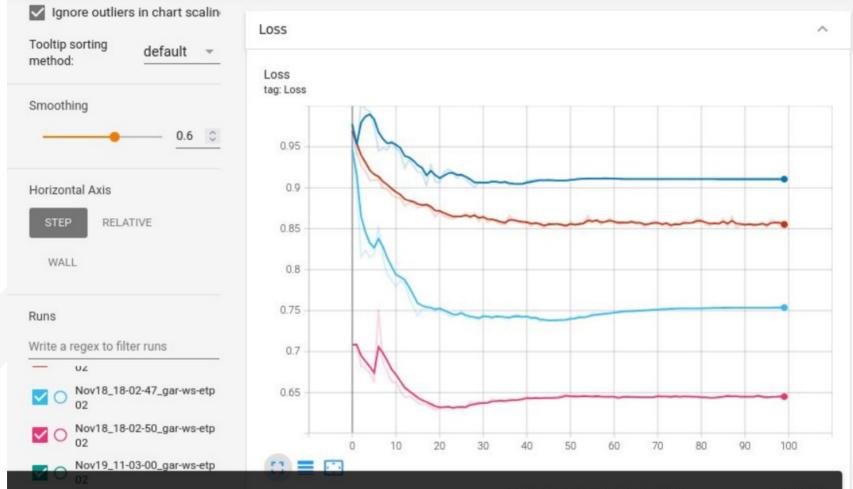
Silhoutte Score :

The silhoutte score is a measure of how similar an object is to its own cluster compared to other clusters. The silhouette score ranges from -1 to +1 wherea high value idicates that the object is well matched to its own cluster and poorly matched to a neighbouring cluster. A clustering with an average score 0.7 is considered to be "strong" ,0.5 "reasonable" and 0.25 "weak".

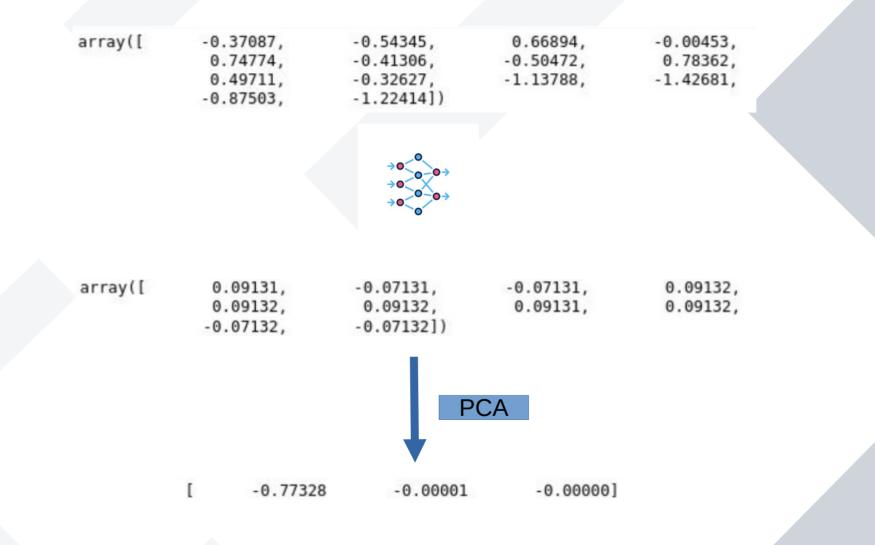


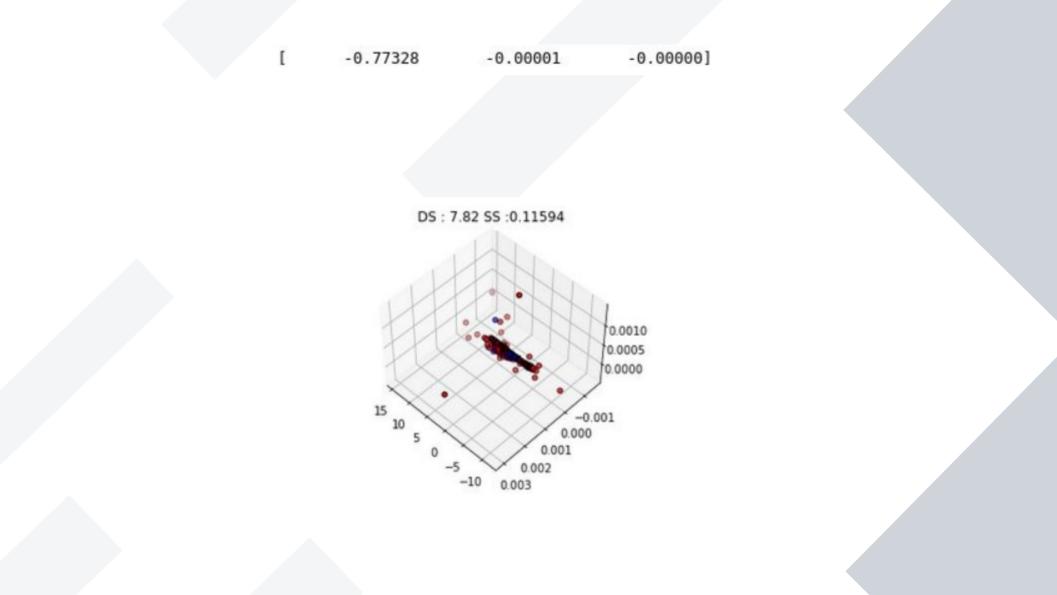


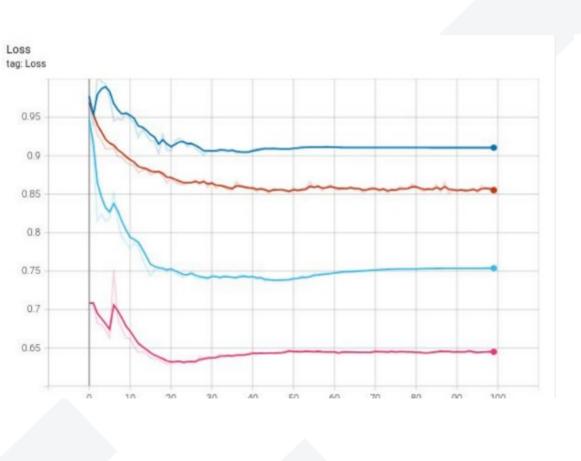




Nov19 11-03-15 gar-ws-etp	Smoothed	Value	Step	Time	Relative
	0.9105	0.9105	99	Mon Nov 18, 16:50:44	25m 50s
s2000.0_with_numhard_1000.0/TriplettVO_Simple_Embedding_V1/100_epochs/Loss_train_loss	0.8552	0.8522	99	Mon Nov 18, 16:50:44	25m 50s
s20000.0_with_numhard_10000.0/TriplettVO_Simple_Embedding_V0/100_epochs/Loss_test_loss	0.7538	0.7538	99	Mon Nov 18, 18:54:27	3h 8m 47s
s20000.0_with_numhard_10000.0/TriplettVO_Simple_Embedding_V0/100_epochs/Loss_train_loss	0.645	0.6447	99	Mon Nov 18, 18:54:27	3h 8m 47s







DS: 13.02 SS: 0.00448 0 -2 10 0 5 0 -5 -10

DS : 7.95 SS :0.12183

10

5

0

-5 -10 0.003

0.0015

-0.001

0.000

0.001

0.002

