Explained variance :

<https://wandb.ai/davooddkareshki/MIR/reports/Explained-Variance-24-05-17-02-01-46---Vmlldzo3OTgwMDg5?accessToken=0w9f6b6vvp7prr4cw5bmetbxb80t4z2iua4czdkc6huomm53sedah34m2jpaiilv>

Kmean clustering :

<https://wandb.ai/davooddkareshki/MIR/reports/Kmean-clustering-24-05-17-14-05-02---Vmlldzo3OTg3ODg2?accessToken=uxgkcpxuvy41xqzyfcdvn1ci8g5fkr9r8nkgwavahtwwyplkuhaqr3jyc9n4ncmt>

Tsne 2d embbedings :

<https://wandb.ai/davooddkareshki/MIR/reports/t-SNE-2D-Embeddings-24-05-17-02-00-29---Vmlldzo3OTgwMDgy?accessToken=uralya906v9s1izrqia66qlauu3z5ntum5uz7hm72hk468ru10rfw2ak8ad685l1>

Cluster scores :

<https://wandb.ai/davooddkareshki/MIR/reports/Cluster-Scores-24-05-17-14-25-13---Vmlldzo3OTg4MTEx?accessToken=zsfcb5094mvqeiphnxwpvj6ushcs58o8kzygpqbfodvniern6z3k2ugtltyptl0y>

Elbow method :

<https://wandb.ai/davooddkareshki/MIR/reports/Elbow-Method-24-05-17-14-34-13---Vmlldzo3OTg4MjI0?accessToken=y5ghnl8xhmn3sul0p38vxyfb8dtigmsf1fz9zre33jo7kr5nvb5nx0uengu46kyc>

Single link hierarchical :

<https://wandb.ai/davooddkareshki/MIR/reports/Hierarchical-Clustering-Dendrogram-24-05-17-01-51-33---Vmlldzo3OTgwMDAx?accessToken=zqkudq7glhsld1o0o0zmkohl02x7dmske5xwvj2nzuzc61plb4qt5e3u80lozm9u>

complete link hierarchical :

<https://wandb.ai/davooddkareshki/MIR/reports/Hierarchical-Clustering-Dendrogram-24-05-17-01-53-41---Vmlldzo3OTgwMDE2?accessToken=utw5ek486jliegrusp6jrlyuzlepgwis9dxnoirmr2lzsq8u26zxtmf5b2yg5pyi>

average link hierarchical :

<https://wandb.ai/davooddkareshki/MIR/reports/Hierarchical-Clustering-Dendrogram-24-05-17-01-55-03---Vmlldzo3OTgwMDMx>

ward link hierarchical :

<https://wandb.ai/davooddkareshki/MIR/reports/Hierarchical-Clustering-Dendrogram-24-05-17-01-57-34---Vmlldzo3OTgwMDU5>