(A) Integration of conditions Angelidis Bhattacherjee Canogamez Goldfarbmuren Kang Pijuan-Sala Reyfman Sathyamurthy KNN Mix 5.0 MMD Wasserstein 0.8 0.6 0.100 0.075 Var. Expl. Condition 0.050 0.025 PCA Harmony Harmony Harmony Rigid LEMUR CPA CPA Harmony -Param. Harmony -Rigid LEMUR -LEMUR -PCA-Harmony -Harmony -d LEMUR-LEMUR-Harmony Harmony I LEMUR Harmony Harmony LEMUR LEMUR Harmony Harmony I LEMUR LEMUR Harmony Harmony LEMUR-LEMUR Harmony -Harmony -d LEMUR -LEMUR -Harmony Harmony d LEMUR LEMUR Harmony -Harmony -d LEMUR -LEMUR -CPA -Harmony Harmony J LEMUR LEMUR Harmony Harmony d LEMUR LEMUR Harmony Harmony J LEMUR LEMUR Param. Ha Rigid I Param. H Param. H Rigid Param. H Rigid Param. Hi Rigid I Param. H Param. H Rigid Param. H Rigid Param. Hi Rigid I Param. H Rigid (B) Biological signal retention Angelidis Aztekin Bhattacheriee Bunis Canogamez Goldfarbmuren Hrvatin Jakel Kang Pijuan-Sala Reyfman Sathyamurthy Skinnider 1.00 0.75 0.50 0.25 1.0 0.8 0.6 0.4 8.0 0.6 0.4 1.00 0.75 0.50 Harmony LEMUR-LEMUR PCA-Harmony -Harmony -I LEMUR -LEMUR -Harmony -Harmony -I LEMUR -LEMUR -Harmony -Harmony Harmony LEMUR-LEMUR-PCA-Harmony -Harmony -LEMUR-LEMUR-Harmony LEMUR LEMUR Harmony I LEMUR LEMUR Param. He Rigid I Param. Hr Rigid I Param. He Rigid I Param. Ha Rigid I Param. Hi Rigid I Param. Hi Rigid I Param. H: Rigid ! Param. Hi Rigid I Param. Hi Rigid I Param. Hi Rigid I ram. H Rigid I Param. H Rigid I (C) Ration of variance explained Angelidis Aztekin Bhattacherjee Canogamez Goldfarbmuren Hrvatin Jakel Kang Pijuan-Sala Reyfman Sathyamurthy Skinnider 0.20 0.15 0.10 0.05 PCA Harmony Rigid LEMUR CPA PCA --Harmony --Param. Harmony --Rigid LEMUR --LEMUR --PCA Harmony Harmony Rigid LEMUR CPAUR PCA Harmony Param. Harmony Rigid LEMUR LEMUR PCA Harmony Param. Harmony Rigid LEMUR CPAUR PCA Harmony Rigid LEMUR LEMUR CPA PCA Harmony Param. Harmony Rigid LEMUR CEMUR COPA PCA Harmony Param. Harmony Rigid LEMUR LEMUR PCA Harmony Harmony Harmony Kigid LEMUR CPA PCA – Harmony – Rigid LEMUR – LEMUR – CPA – Harmony Param. Harmony Rigid LEMUR LEMUR PCA -Harmony -d LEMUR -LEMUR -CPA -Harmony -Harmony -d LEMUR -CPA -Param. Harı Rigid LE Holdout