

Method (Trained on test data $D_1$ [2])	ACC	Loss
DenseNet (Train data $D_1$ )	77.7	0.762
DenseNet (Train data $D_2$ )	52.1	1.731
DenseNet (Test data $D_2$ )	52.0	1.800
DenseNet + Latent pose (Train data $D_1$ )	84.1	0.550
DenseNet + Latent pose (Train data $D_2$ )	55.9	1.499
DenseNet + Latent pose (Test data $D_2$ )	54.4	1.531

Table 4: Performance when trained using test data in [2] ( $D_1$ ). Tested on train data in [2] ( $D_1$ ), as well as cross dataset evaluation *i.e.* tested on both train and test data in [40] ( $D_2$ ). Accuracy is in percentage.

Method (Trained on test data $D_2$ [40])	ACC	Loss
DenseNet (Train data $D_2$ )	92.1	0.298
DenseNet (Train data $D_1$ )	47.8	2.357
DenseNet (Test data $D_1$ )	47.0	2.339
DenseNet + Latent pose (Train data $D_2$ )	92.5	0.273
DenseNet + Latent pose (Train data $D_1$ )	49.8	2.060
DenseNet + Latent pose (Test data $D_1$ )	49.7	2.032

Table 5: Performance when trained using test data in [40] ( $D_2$ ). Tested on train data in [40] ( $D_2$ ), as well as cross dataset evaluation *i.e.* tested on both train and test data in [2] ( $D_1$ ). Accuracy is in percentage.