Supplementary Materials

Confusion matrices for best models

GSV

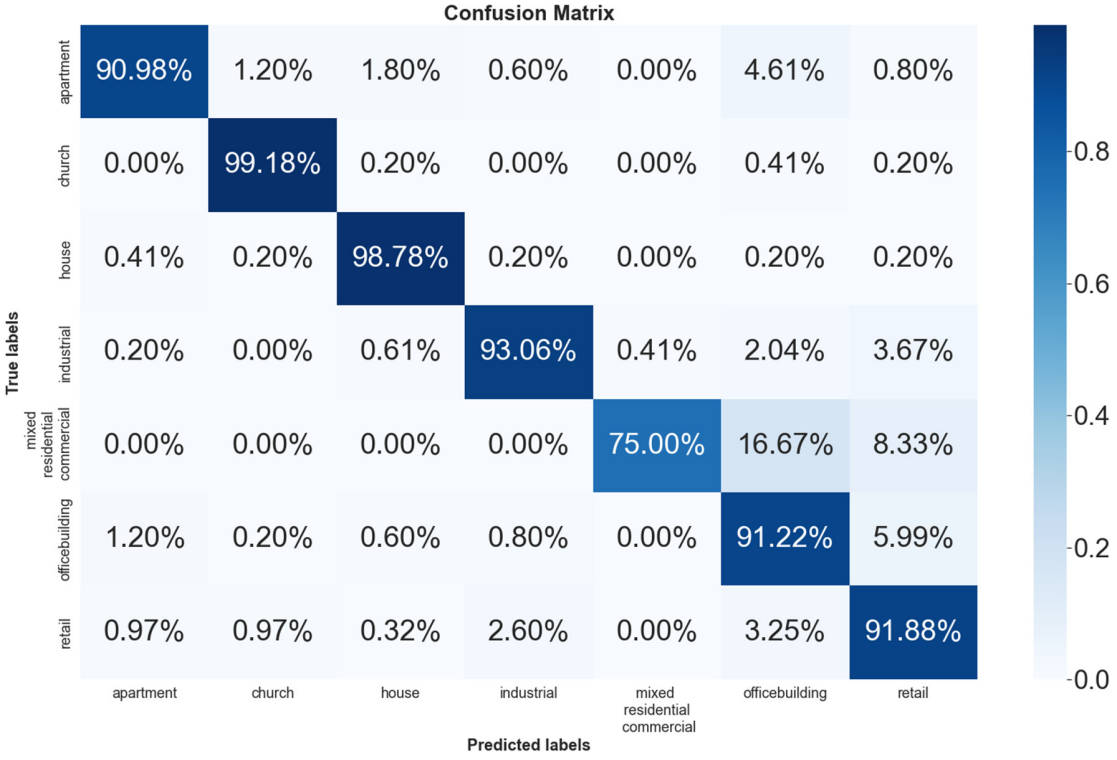


Figure S1: MobileNetV2 confusion matrix for model with 150 trained layers

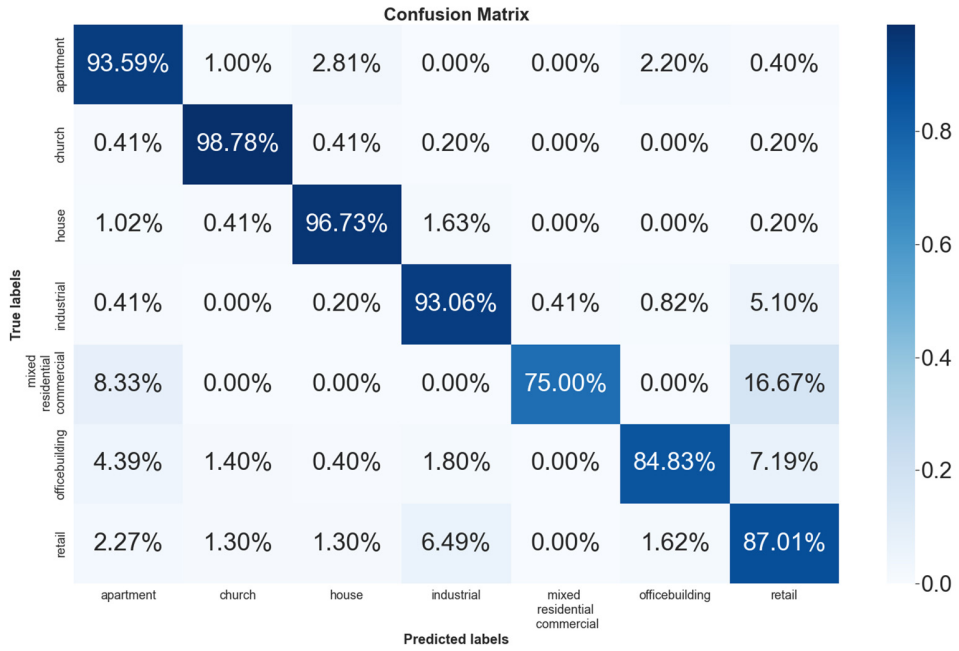


Figure S2: MobileNetV2 confusion matrix for model with 100 trained layers

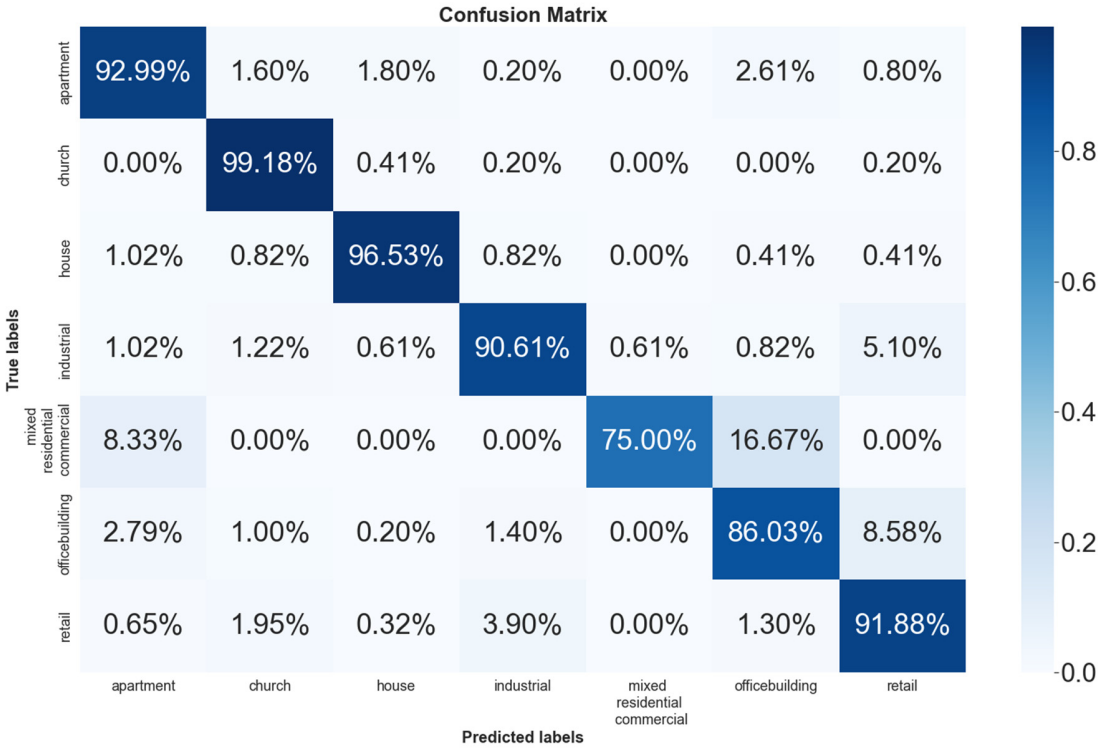


Figure S3: MobileNetV2 confusion matrix with 50 trained layers

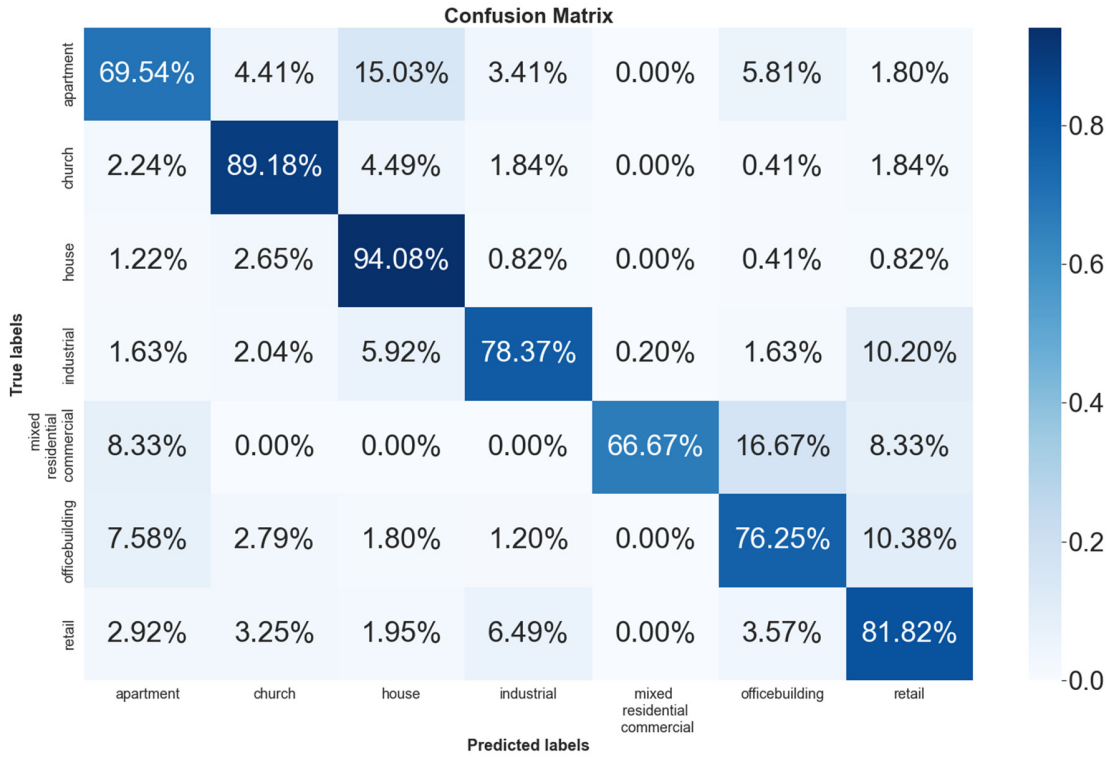


Figure S4: MobileNetV2 confusion matrix for frozen model (0 trained layers)

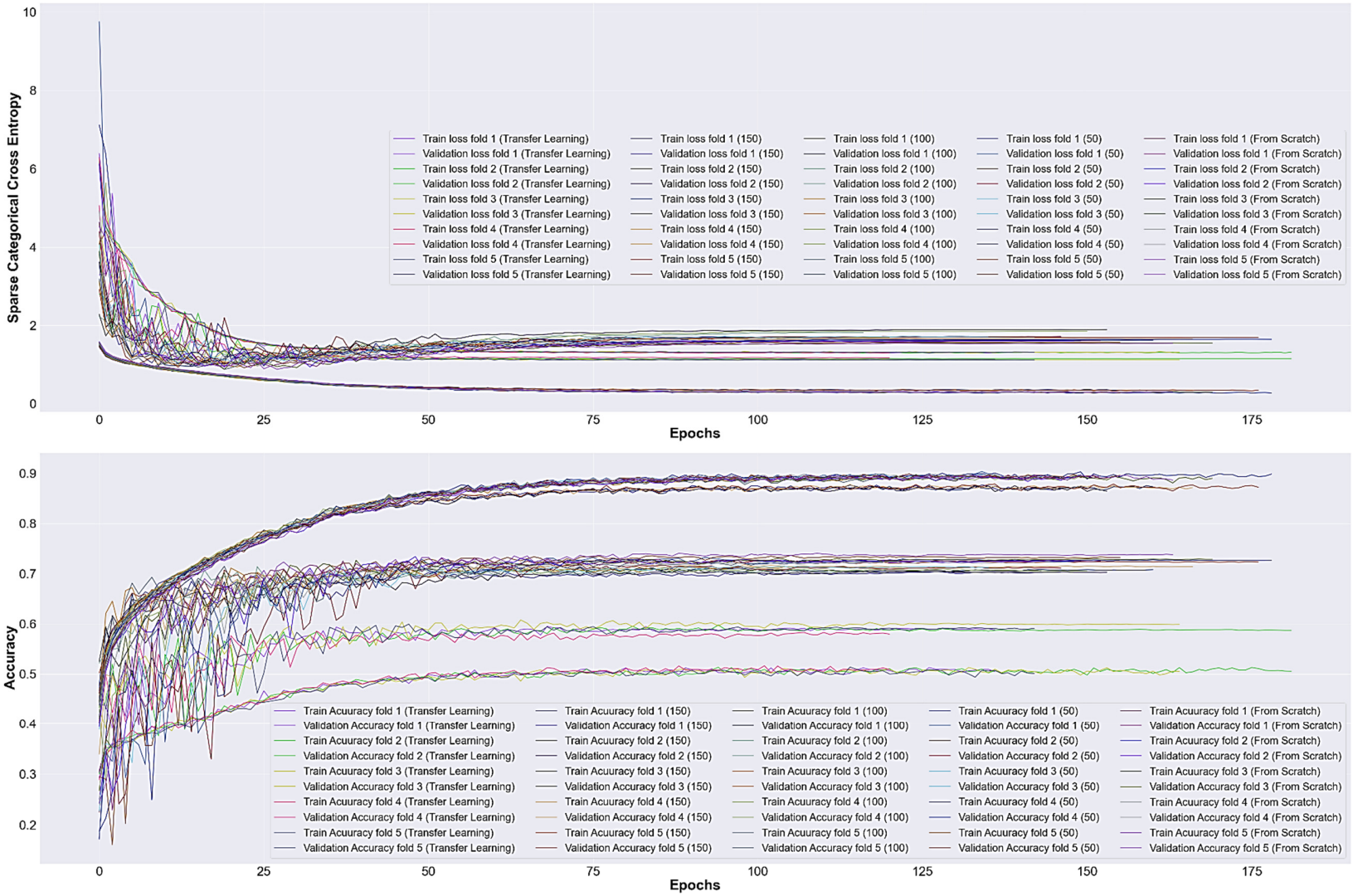


Figure S5: learning curves for MobileNetv2

LiDAR

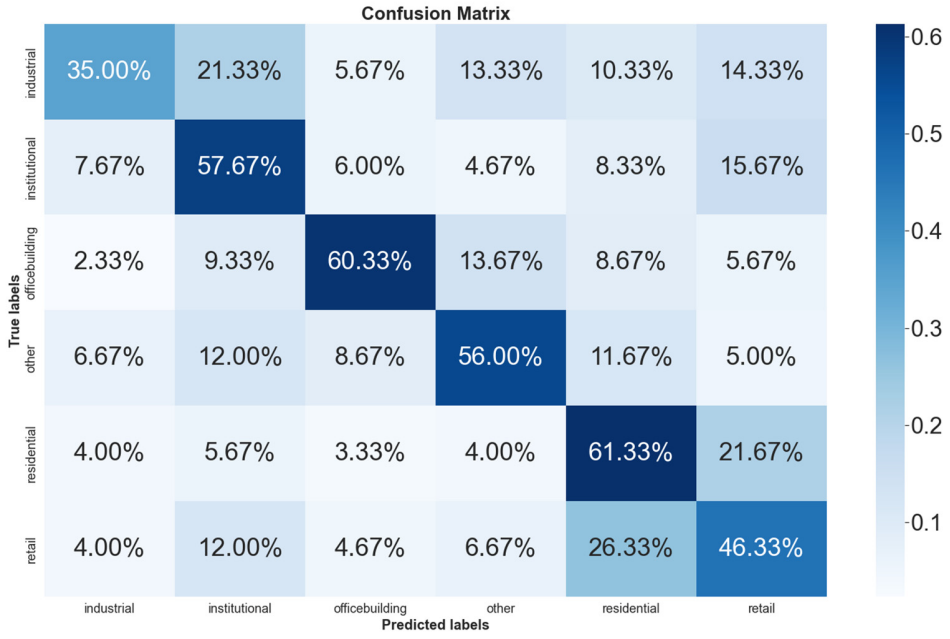


Figure S6: InceptionV3 confusion matrix when training the model from scratch (LiDAR)

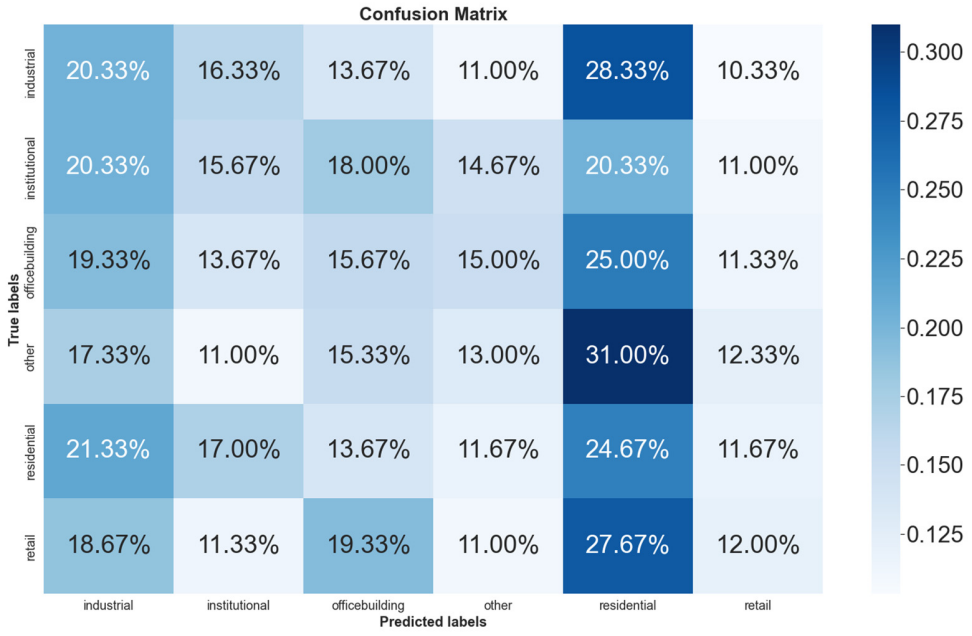


Figure S7: InceptionV3 confusion matrix with 300 trained layers (LiDAR)

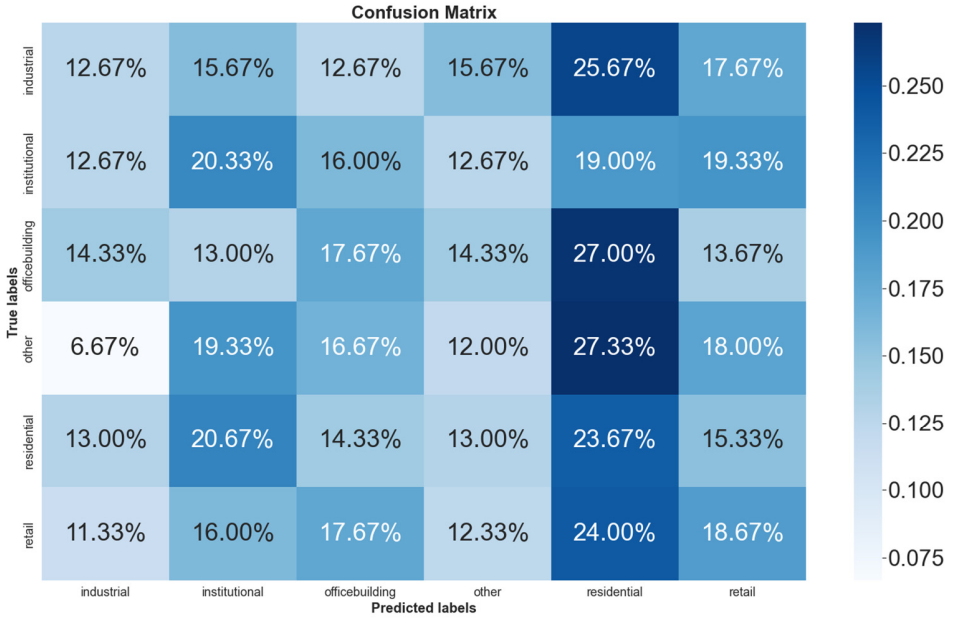


Figure S8: InceptionV3 confusion matrix with 250 trained layers (LiDAR)

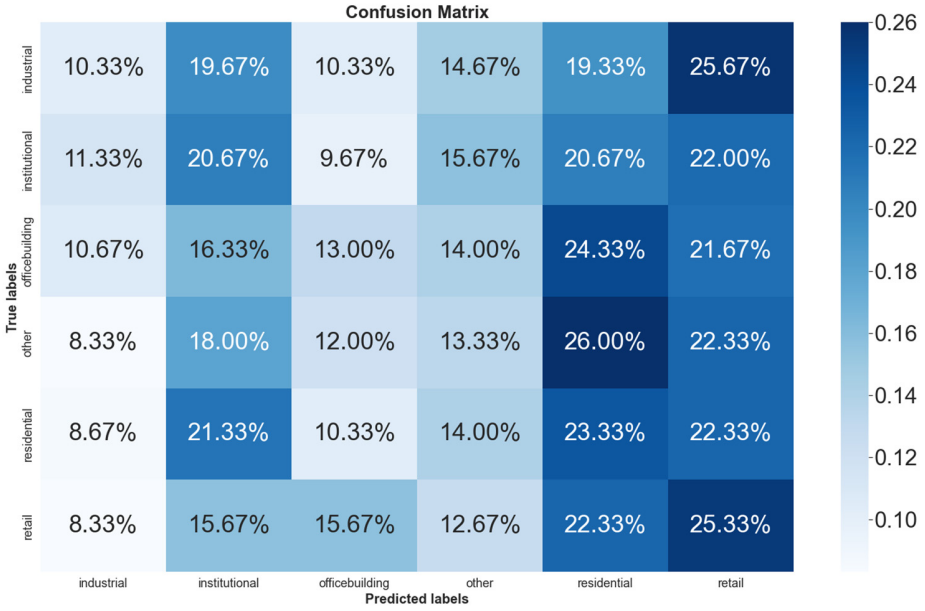


Figure S9: InceptionV3 confusion matrix with 200 trained layers (LiDAR)

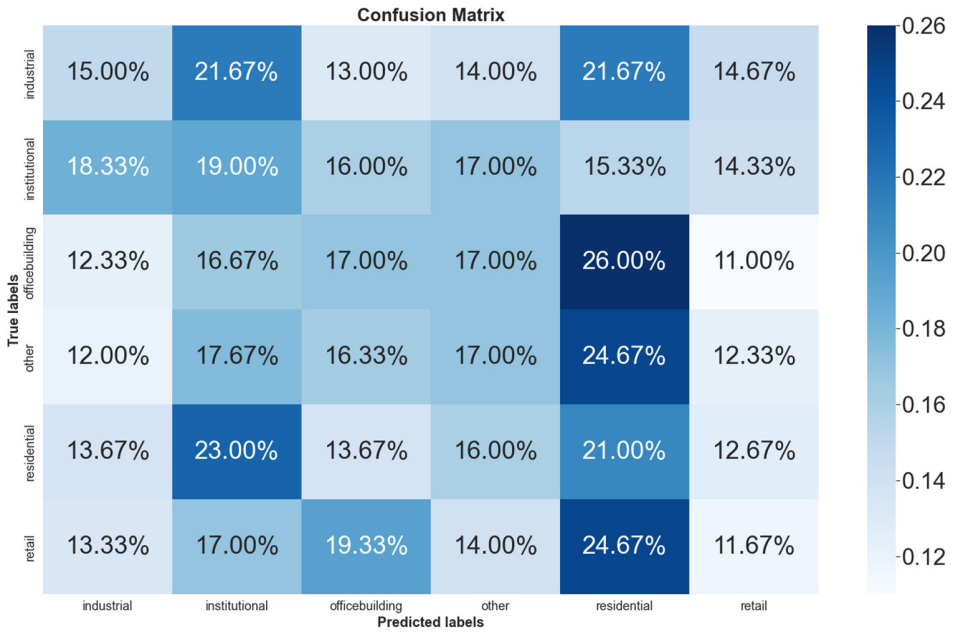


Figure S10: InceptionV3 confusion matrix with 150 trained layers (LiDAR)

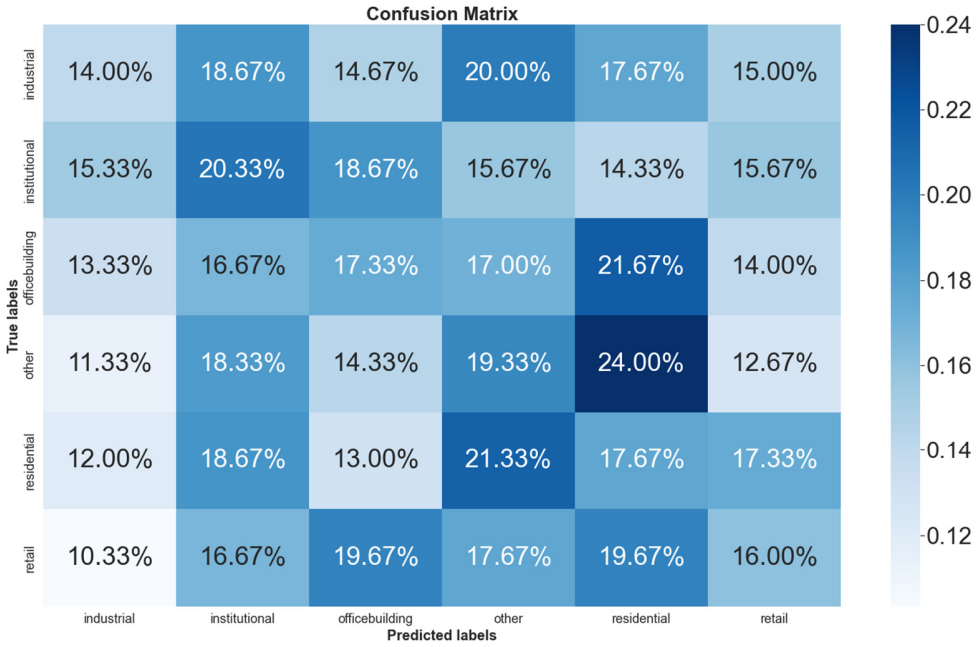


Figure S11: InceptionV3 confusion matrix with 100 trained layers (LiDAR)

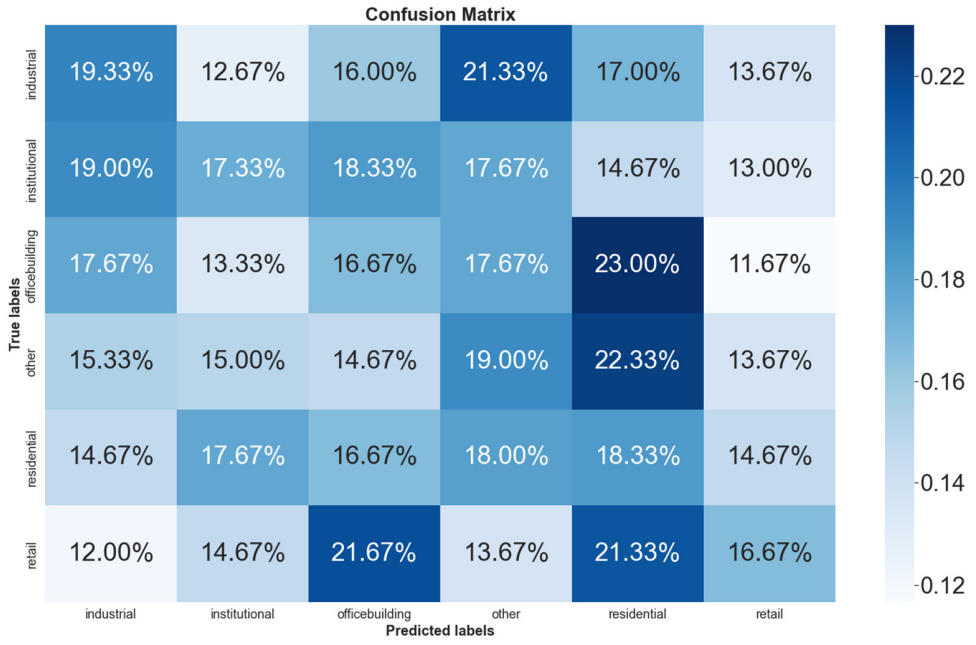


Figure S12: InceptionV3 confusion matrix with 50 trained layers (LiDAR)



Figure S13: learning curves for InceptionV3 with the learning rate 10^{-3} (LiDAR)

Orthophoto

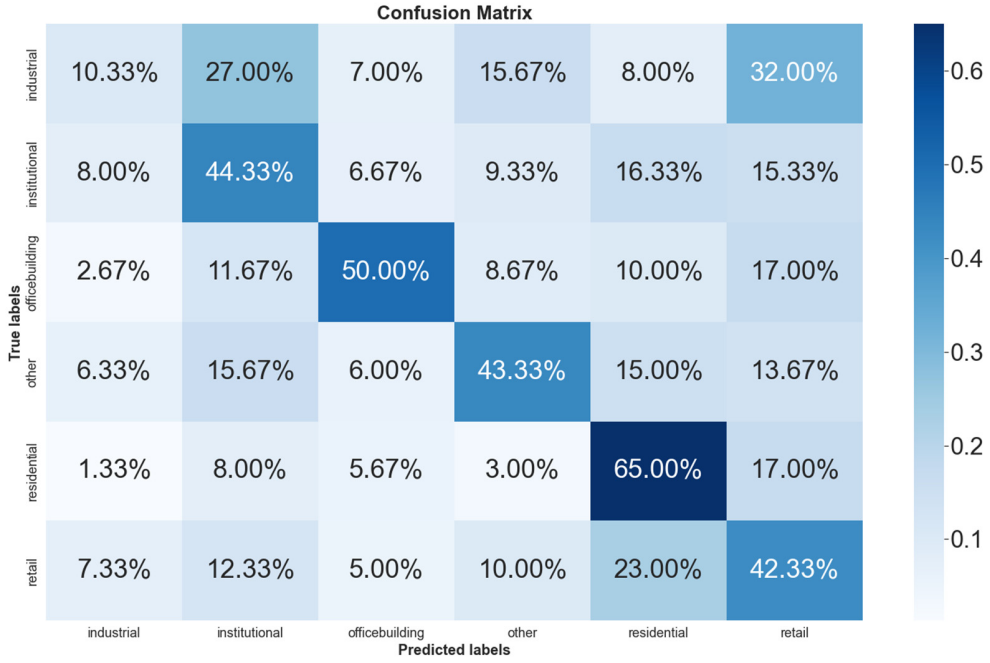


Figure S14: InceptionV3 confusion matrix when training the model from scratch (Orthophoto)

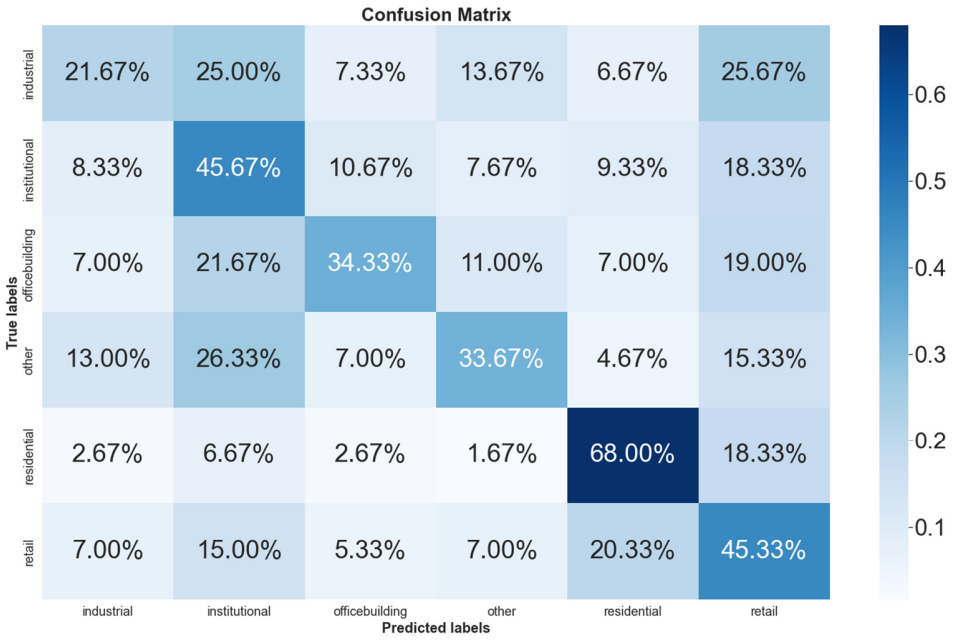


Figure S15: InceptionV3 confusion matrix with 300 trained layers (Orthophoto)

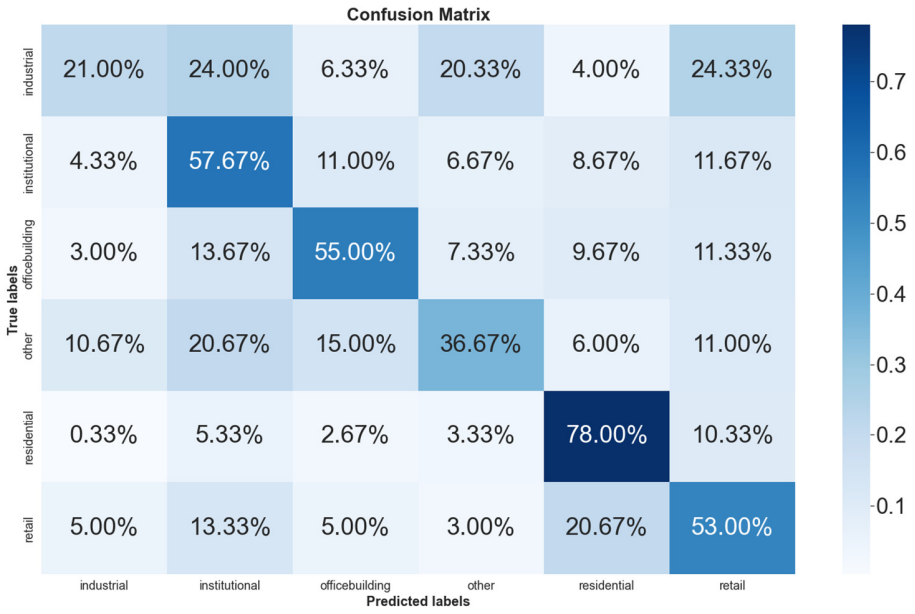


Figure S16: InceptionV3 confusion matrix with 250 trained layers (Orthophoto)

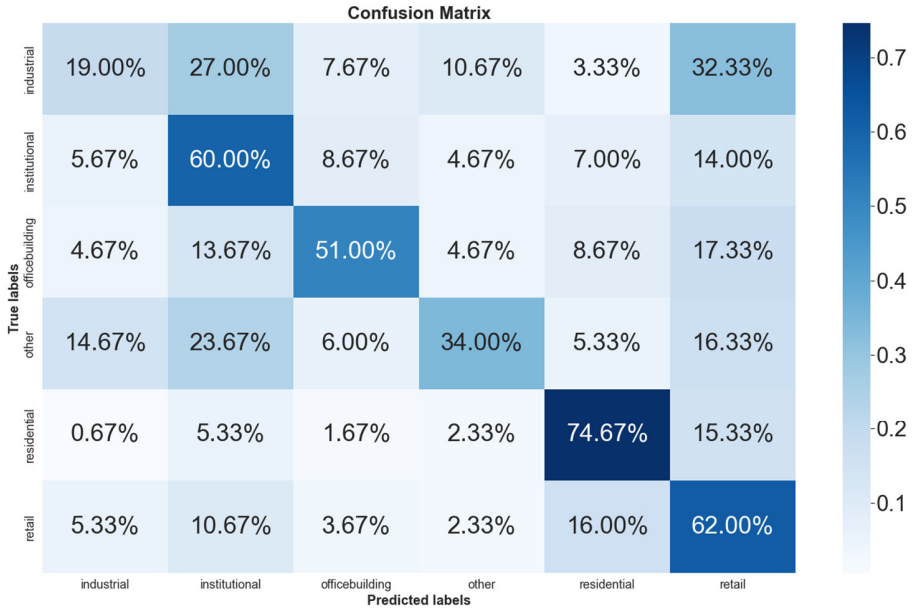


Figure S17: InceptionV3 confusion matrix with 200 trained layers (Orthophoto)

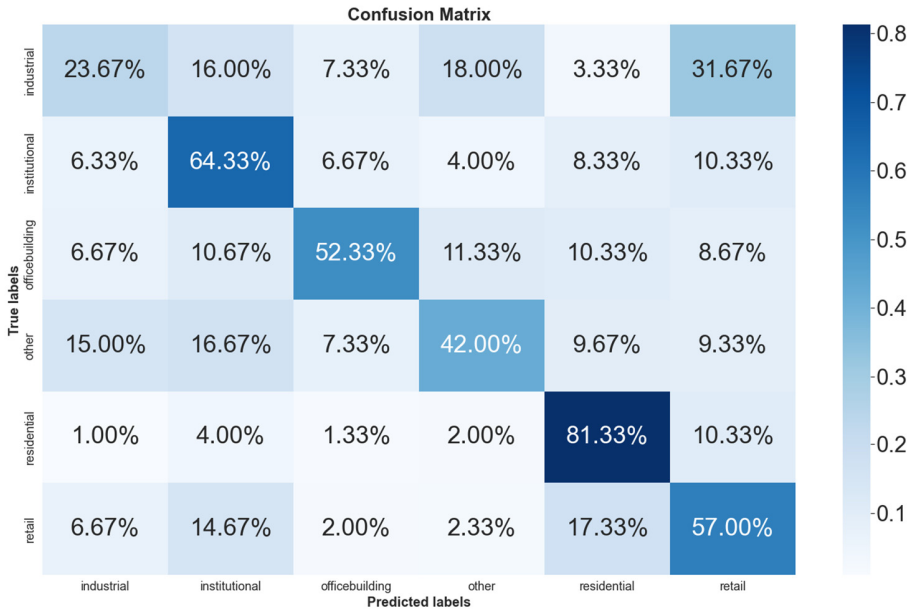


Figure S18: InceptionV3 confusion matrix with 150 trained layers (Orthophoto)

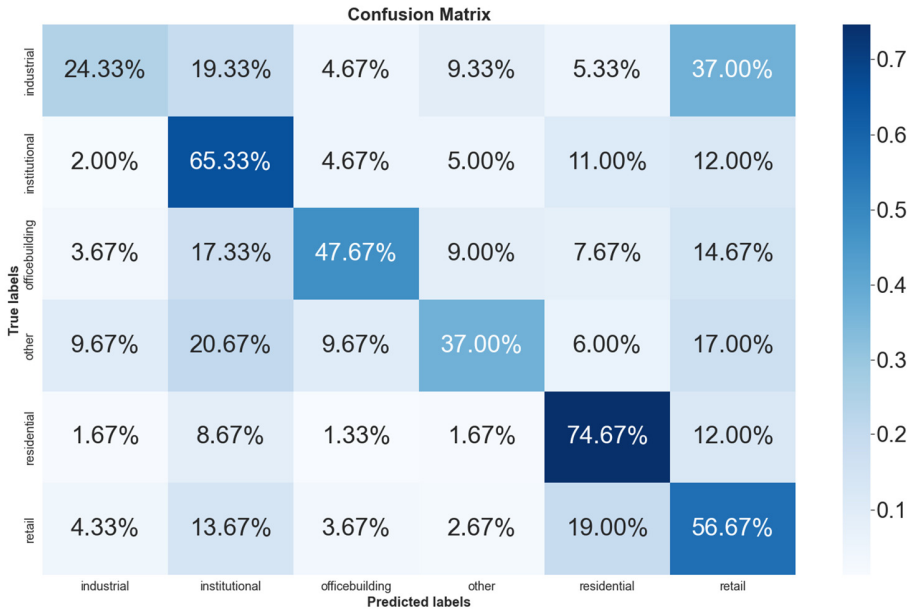


Figure S19: InceptionV3 confusion matrix with 100 trained layers (Orthophoto)

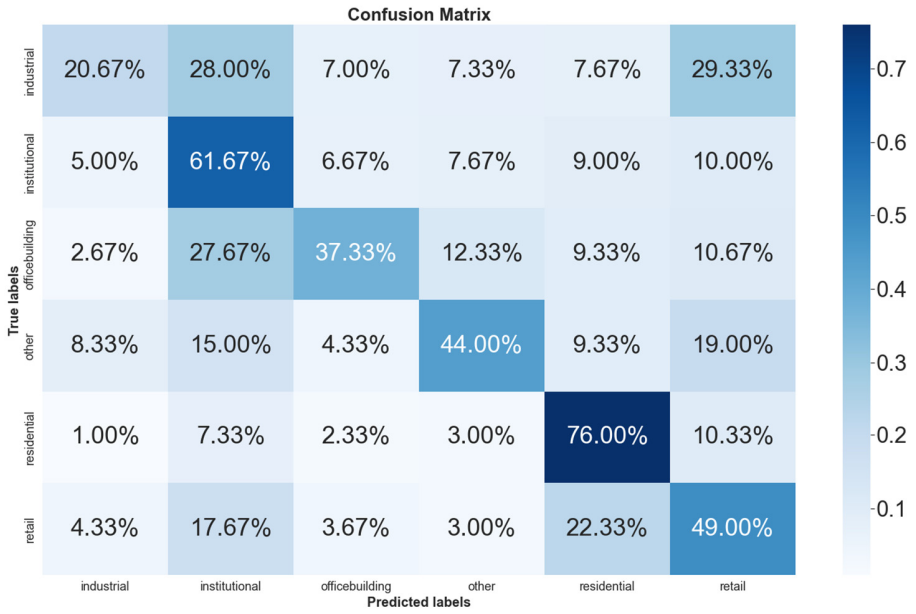


Figure S20: InceptionV3 confusion matrix with 50 trained layers (Orthophoto)

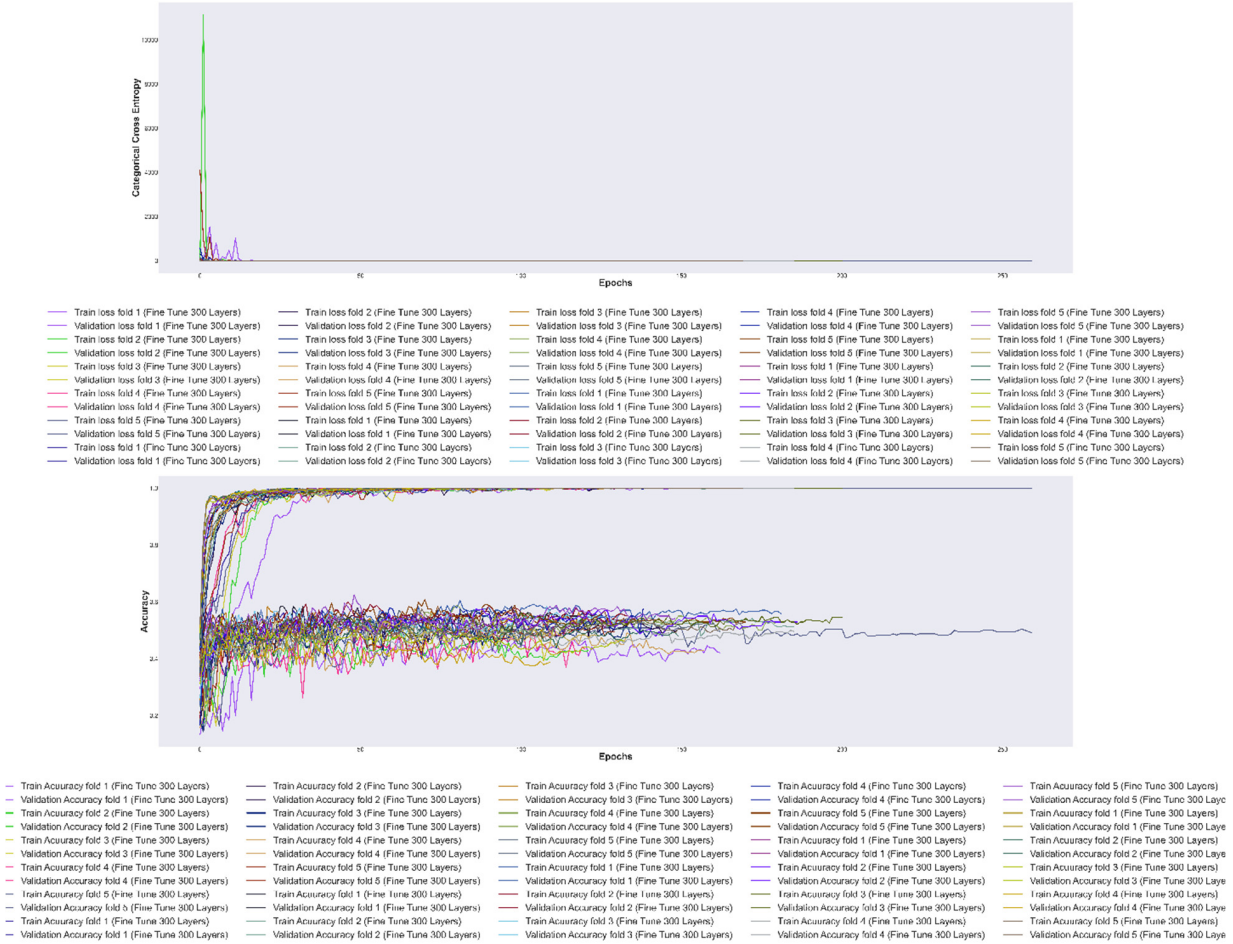


Figure S21: learning curves for InceptionV3 with learning rate 10^{-3} (Orthophoto)