**Model name indication**

Streetview\_Result

**Comparison model**

Comparison\_60 E : Just the initial comparison model trained for 60 epoch model can be found in comparison\_model.py this model was tuned by hand a little

Comparison\_Data\_Aug\_FULL\_50 E : Initial comparison model trained with data augmentation on the streetview data for 50 epochs

Comparison\_DataAug\_30E : Initial comparison model just trained for 30 epochs

Comparison\_Handpicked\_Dataaug: model picked by me from the custom tuning process with data augmentation applied to the streetview data you can find the parameters in the params.txt folder as well as the weights of the trained model

Comparison\_Tuned\_DataAug : Model given by the custom algorithm with the criterion of test loss as a discriminatory factor between the tuned models you can find the parameters in the params.txt folder as well as the the weights of the trained model

Comparison\_Handpicked\_DataAugmentation\_With\_contrast : Comparison model picked by me from the custom tuning process trained on Streetview data with data augmenation including contrast

**Ranking model**

Ranking\_40E : initial ranking model trained on streetview data for 40 epochs the model can be found inside ranking\_model.py you can find the parameters in the params.txt folder you can find the trained weights inside the folder

Ranking\_DataAug\_FULL\_50 E : initial ranking model trained for 50 epochs on streetview data with data augmentation you can find the weights inside the folder

Ranking\_DataAug\_Tuned : ranking model that was fine tuned using a custom tuning process with the criterion of test accuracy as the discriminatory factor between the trained models

Handpicked\_Ranking\_DataAug\_Tuned : model picked by me from the custom tuning process with data augmentation applied to the streetview data

Ranking\_Handpicked\_DatAug\_With\_Contrast : Ranking model picked by me from the custom tuning process trained on Streetview data with data augmenation including contrast

Mapillary\_Result

**Comparison model**

Comparison\_FineTuned\_Mapillary\_Trained : Comparison model that was fine tuned on the mapillary data with data augmentation with the test loss as a criterion, you have the trained weights and parameters in the folder

Comparison\_Handpicked\_Streetview\_Trained\_DataAug : Model that was handpicked by me from the custom training process you have the weights and para,eters used for the model inside the folder

Comparison\_Transfer\_Learning : Comparison model trained using the weights from the best comparison model from the streetview data training process here it is the handpicked one and it is furthermore trained on the mapillary data resulting in a model that used transfer learning

Best\_ComparisonModel\_From\_Streetview\_Trained\_On\_Mapillary\_DataAug\_Contrast : the best comparison model from Streetview trained on Mapillary data with data augmentation including crontrast data augmentation you can find the weights inside the folder

**Ranking model**

Best\_RankingModel\_From\_Streetview\_Result\_On\_Mapillary : result of the best ranking model that was trained on streetview data when used on the mapillary data you only have an image of the scores attributed to the images by the model the best model here is the model that was handpicked by me from the last section

Ranking\_Handpicked\_Streetview\_Trained\_DataAug : Ranking model from the custom training process that was handpicked by me from the trained models on the mapillary data with data augmentation you have the trained weights and parameters inside the folder

Ranking\_Handpicked\_Streetview\_Trained\_DataAug : Ranking model from the custom training process that was handpicked by me from the trained models on the mapillary data without data augmentation you have the trained weights and parameters inside the folder

Ranking\_Transfer\_learning : Ranking model trained using the weights from the best ranking model from the streetview data training process here it is the handpicked one and it is furthermore trained on the mapillary data resulting in a model that used transfer learning

Best\_RankingModel\_From\_Streetview\_Trained\_On\_Mapillary\_DataAug\_Contrast : the best comparison model from Streetview trained on Mapillary data with data augmentation including crontrast data augmentation you can find the weights inside the folder