1.

extract object info from BDD100K

This folder is to extract the object information for the BDD-3AA from the BDD 100K data set then we can use the object information to train the object based end to end driving models.

/BDD\_object\_position\_info，

This folder is not a data set but some labeled information from BDD100K data set. There is a subfolder in /BDD\_object\_position\_info called “train”, this folder contains movable object tracking position information for each frame in a video, but we only use the 51st and 52nd images . bdd100k\_labels\_images\_train\_zhang625.json contains The unmovable object (such as traffic light and lanes) position information in 52nd images. based on these labeled object position information we could have made our BDD3AA data set, and extract object information to train the object based end to end driving models. and we can also make object explanation method based on this information, which is, we made occluded images for future usage in “dataset\explanation\explanation\_500\_\_gray\_out\_csv\_folder，dataset\explanation\explanation\_500\_\_gray\_out\_img\_folder。”

The extracted object position information that we could use for our object based end the to end driving models is saved at this folder, “object\_position\_info”

2.

train\_find\_hyperpara\_of\_object\_based\_E2EDMs

The above folder contains the Python file and the source data to train an object based end to end driving models. The main code is the train.py, in this code we can adjust the range for the hyperparameters of the model to find the most appropriate hyperparameters to train three different object based end to end driving models and save these models for future explanation generation

3.

explain\_object\_based\_E2EDMs

the above folder contains the explanation method to explain the object based end to end driving models and the data generation method to make the heatmap and gradually shown images for the subjective and objective persuasibility experimental evaluation.