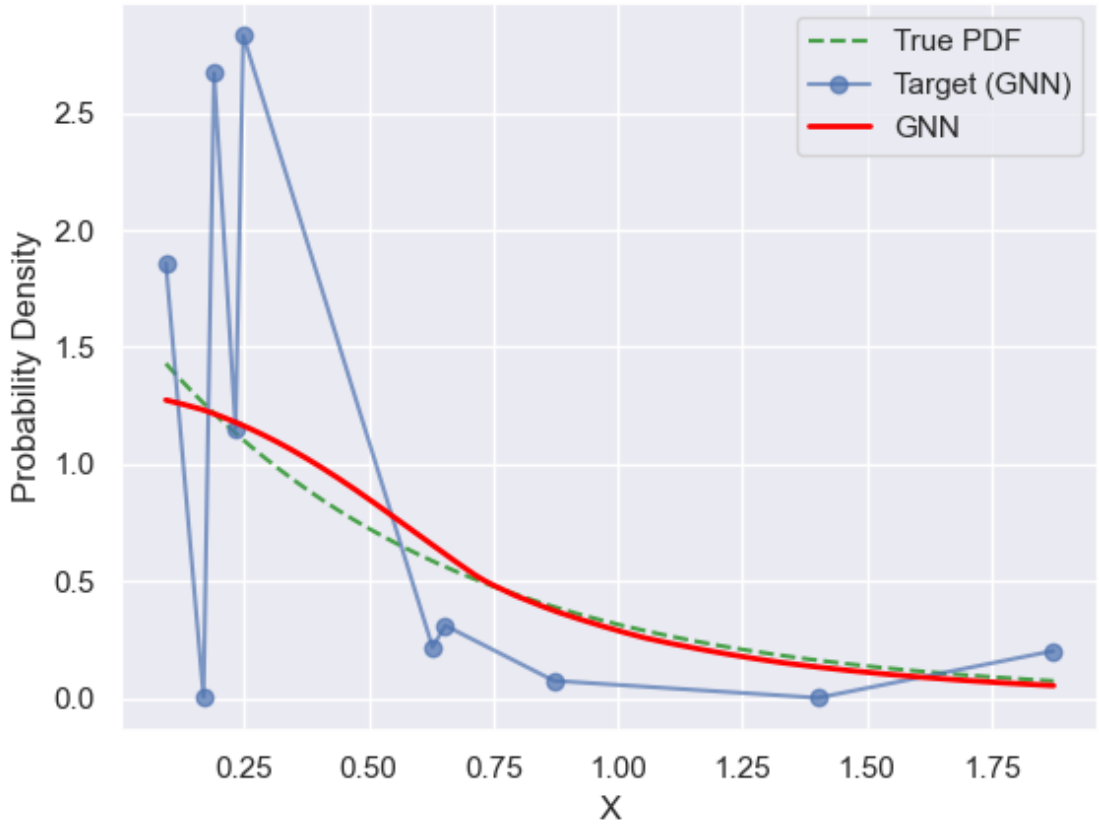
Experiment Details Experiment C2 S60

> from experiment with GNN on 2024-05-23 16-10

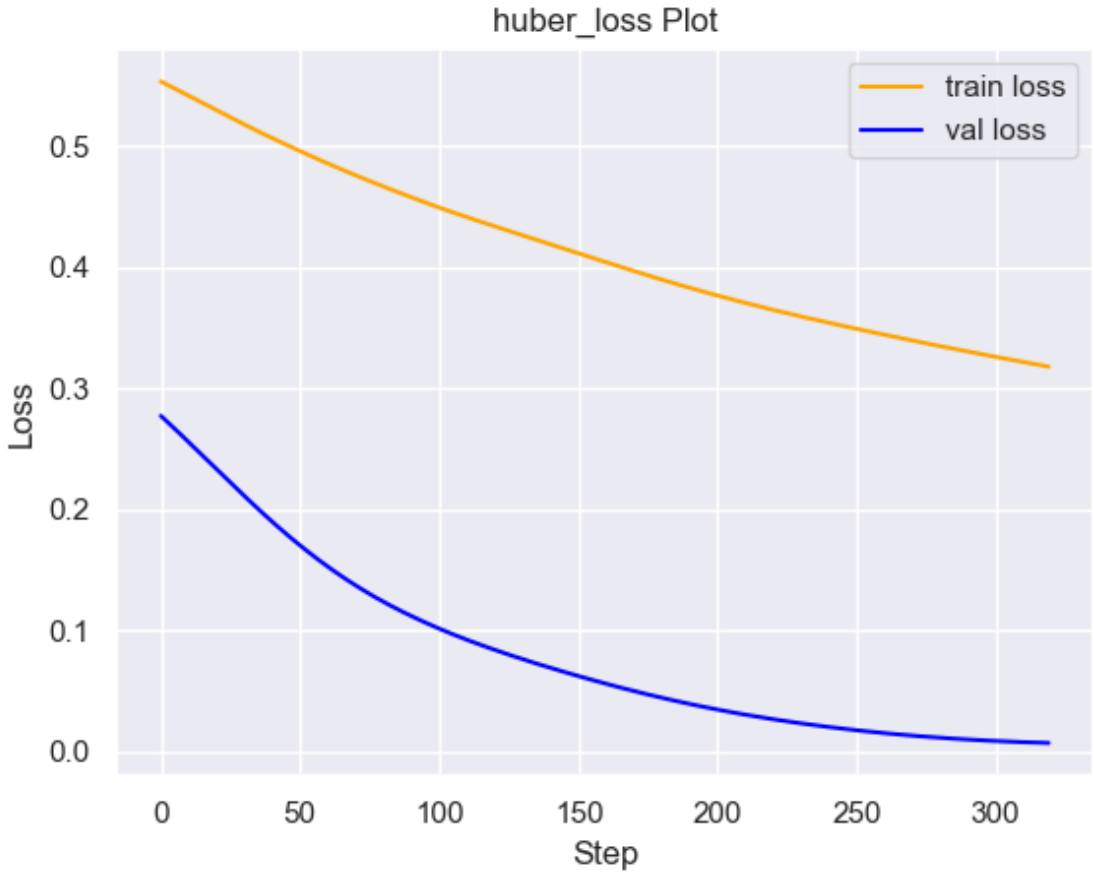
Metrics:

type	r2	mse	max_error	ise	kl	evs
Target	-2.3167214543	0.7260905639	1.6143189058	0.0726090564	0.6557528452	-2.2259442192
Model	0.9722	0.0037	0.1557	0.0668	0.007	0.9727

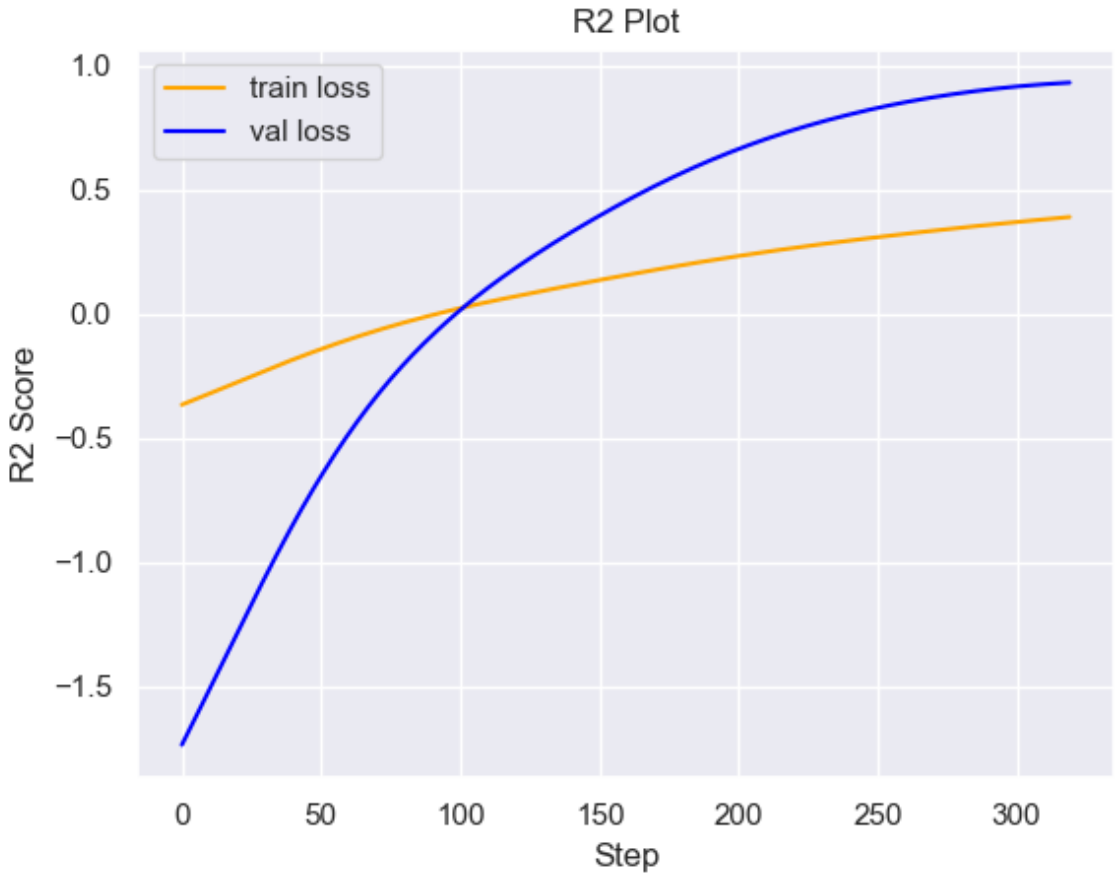
Plot Prediction



Loss Plot



Training Metric Plot



Dataset

▶ PDF set as default **EXPONENTIAL_06**

Dimension 1

type	rate	weight
exponential	0.6	1

KEY	VALUE
dimension	1
seed	51
n_samples_training	10
n_samples_test	1784
n_samples_val	50
notes	

Target

- Using GNN Target

▶ All Params used in the model for generate the target for the MLP

KEY	VALUE
n_components	2
n_init	40
max_iter	100
init_params	k-means++
random_state	59

Model

> using model GNN

Model Params:

▶ All Params used in the model

KEY	VALUE
dropout	0.0
hidden_layer	[(34, ReLU())]
last_activation	lambda

▶ Model Architecture

NeuralNetworkModular((dropout): Dropout(p=0.0, inplace=False) (output_layer): Linear(in_features=34, out_features=1, bias=True) (last_activation): AdaptiveSigmoid((sigmoid): Sigmoid()) (layers): ModuleList((0): Linear(in_features=1, out_features=34, bias=True) (1): AdaptiveSigmoid((sigmoid): Sigmoid())) (activation): ModuleList((0): ReLU()))

Training

▶ All Params used for the training

KEY	VALUE
epochs	320
batch_size	12
loss_type	huber_loss
optimizer	Adam
learning_rate	0.00123