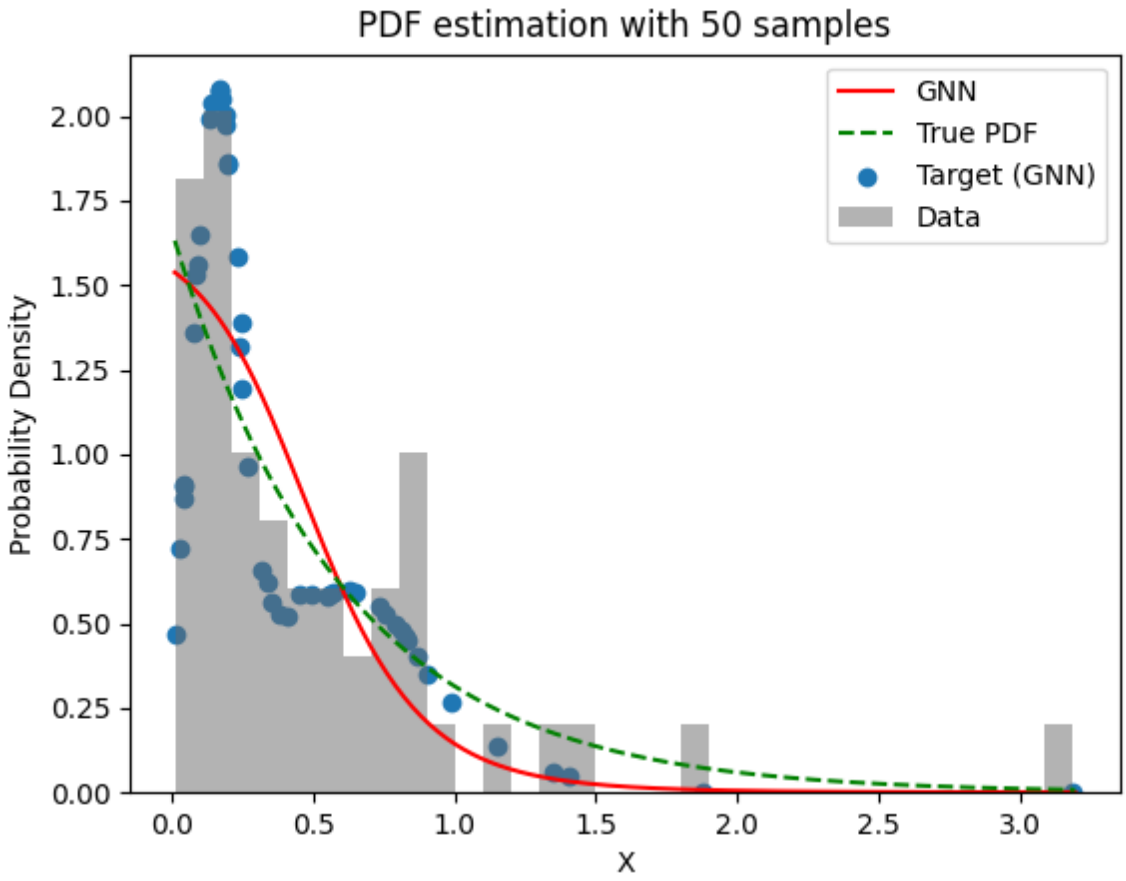
Experiment Details Experiment C24 S50

> from experiment with GNN on 2024-04-23 14-38

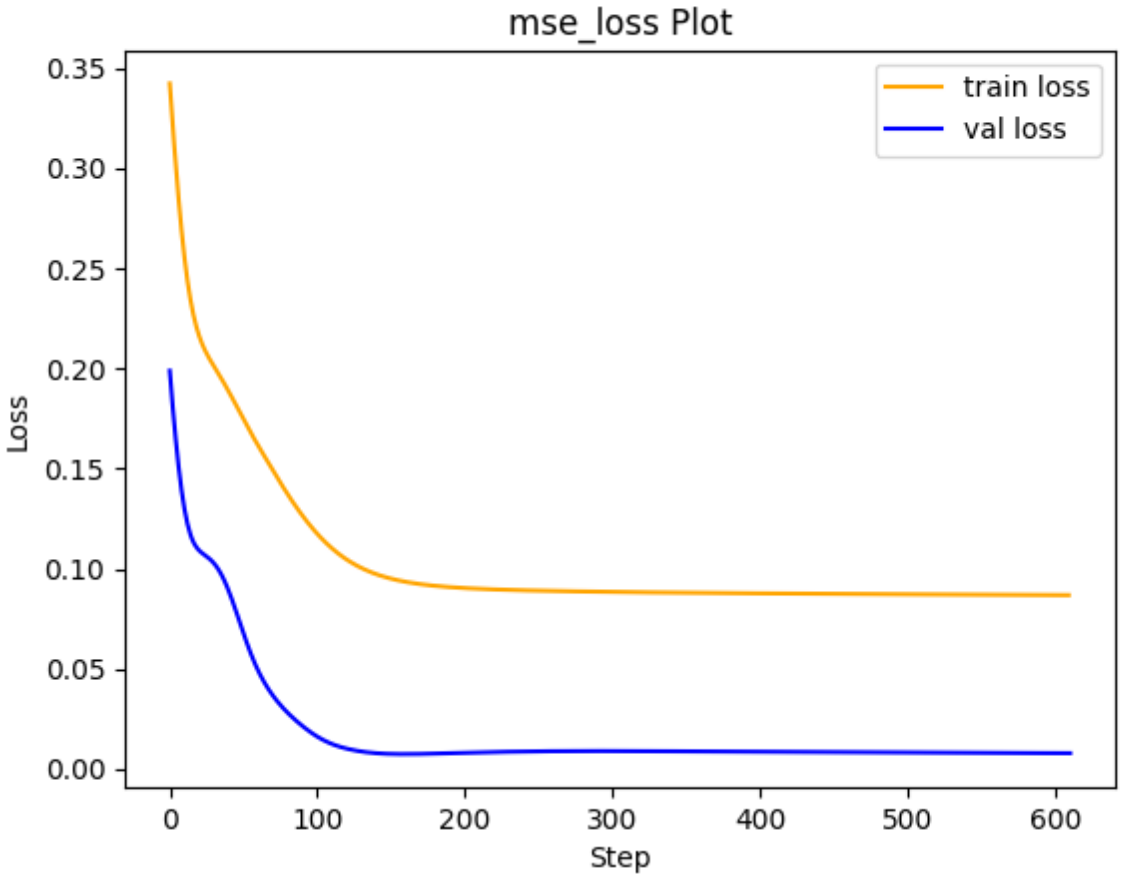
Metrics:

type	r2	mse	max_error	ise	kl	evs
Target	0.0170229905	0.2042805674	1.1660865786	0.1021402837	0.0997116711	0.0289163717
Model	0.9364	0.0102	0.1978	0.0324	0.1731	0.9461

Plot Prediction



Loss Plot



Dataset

▶ PDF set as default **EXPONENTIAL_06**

Dimension 1

type	rate	weight
exponential	0.6	1

KEY	VALUE
dimension	1
seed	73
n_samples_training	50
n_samples_test	319
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	24
n_init	40
max_iter	10
init_params	random
random_state	63

Model

> using model GNN

Model Params:

▶ All Params used in the model

KEY	VALUE
dropout	0.0
hidden_layer	[(58, Tanh())]
last_activation	lambda

▶ Model Architecture

LitModularNN((neural_netowrk_modular): NeuralNetworkModular((dropout): Dropout(p=0.0, inplace=False) (output_layer): Linear(in_features=58, out_features=1, bias=True) (last_activation): AdaptiveSigmoid((sigmoid): Sigmoid()) (layers): ModuleList((0): Linear(in_features=1, out_features=58, bias=True) (1): AdaptiveSigmoid((sigmoid): Sigmoid())) (activation): ModuleList((0): Tanh())))

Training

▶ All Params used for the training

KEY	VALUE
epochs	610
batch_size	58
loss_type	mse_loss
optimizer	RMSprop
learning_rate	0.0030987653108978165