

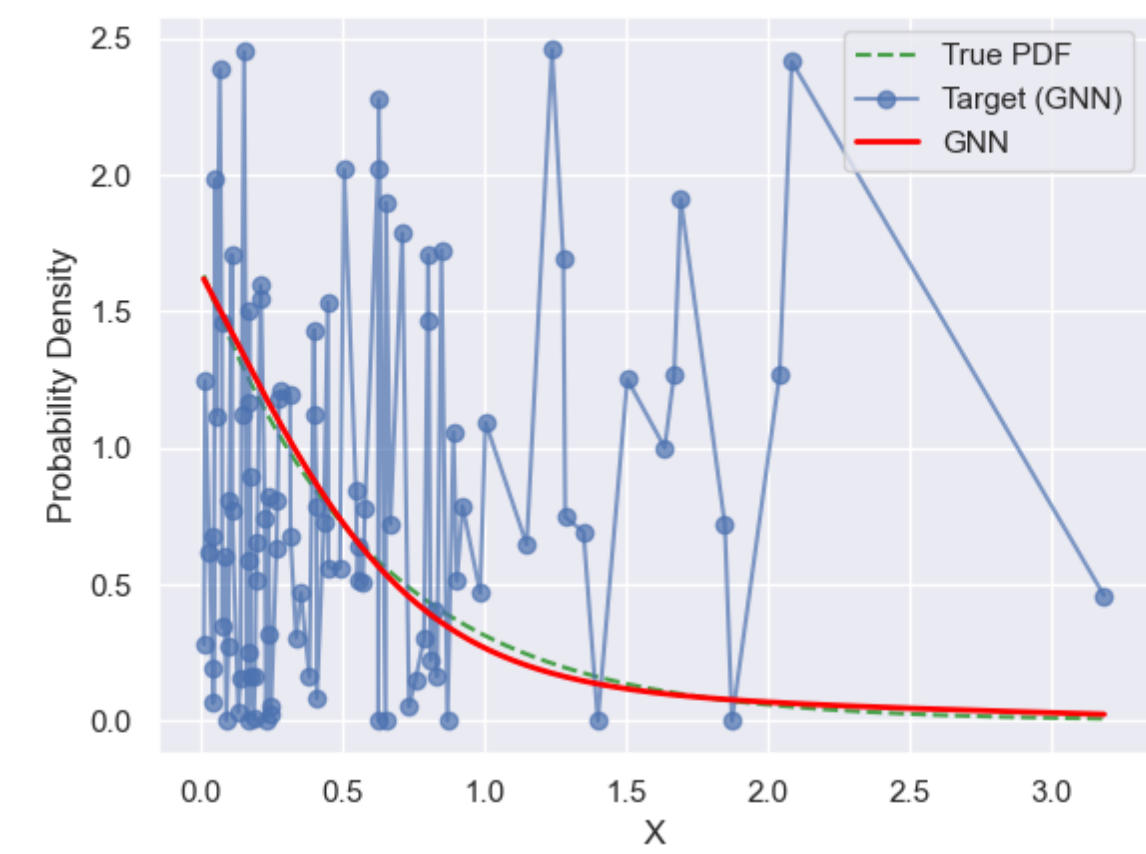
Experiment Details Experiment C13 S150

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

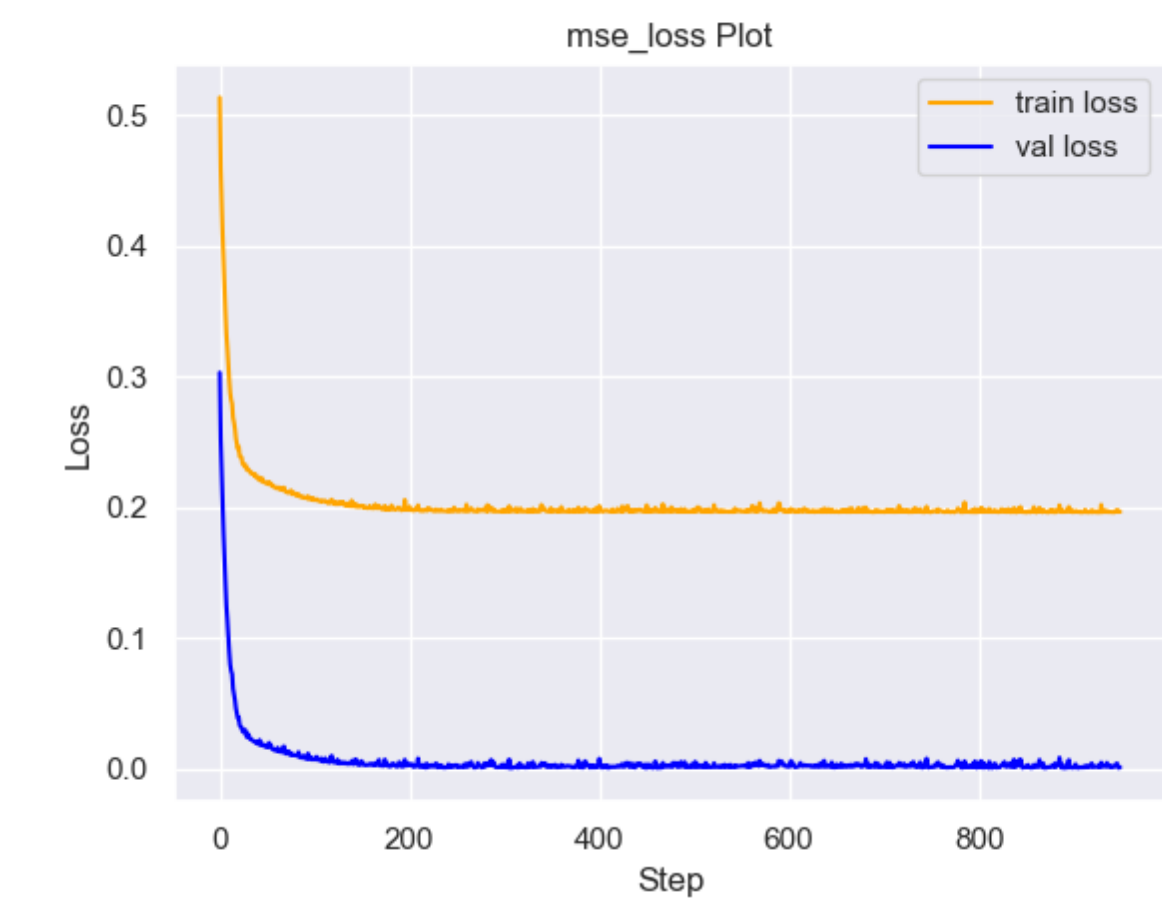
Metrics:

type	r2	mse	max_error	ise	kl	evs
Target	0.0933123692	0.2013098092	1.3131819433	0.2013098092	0.3267044237	0.0938583142
Model	0.9953	0.0007	0.0522	0.0233	0.0095	0.9954

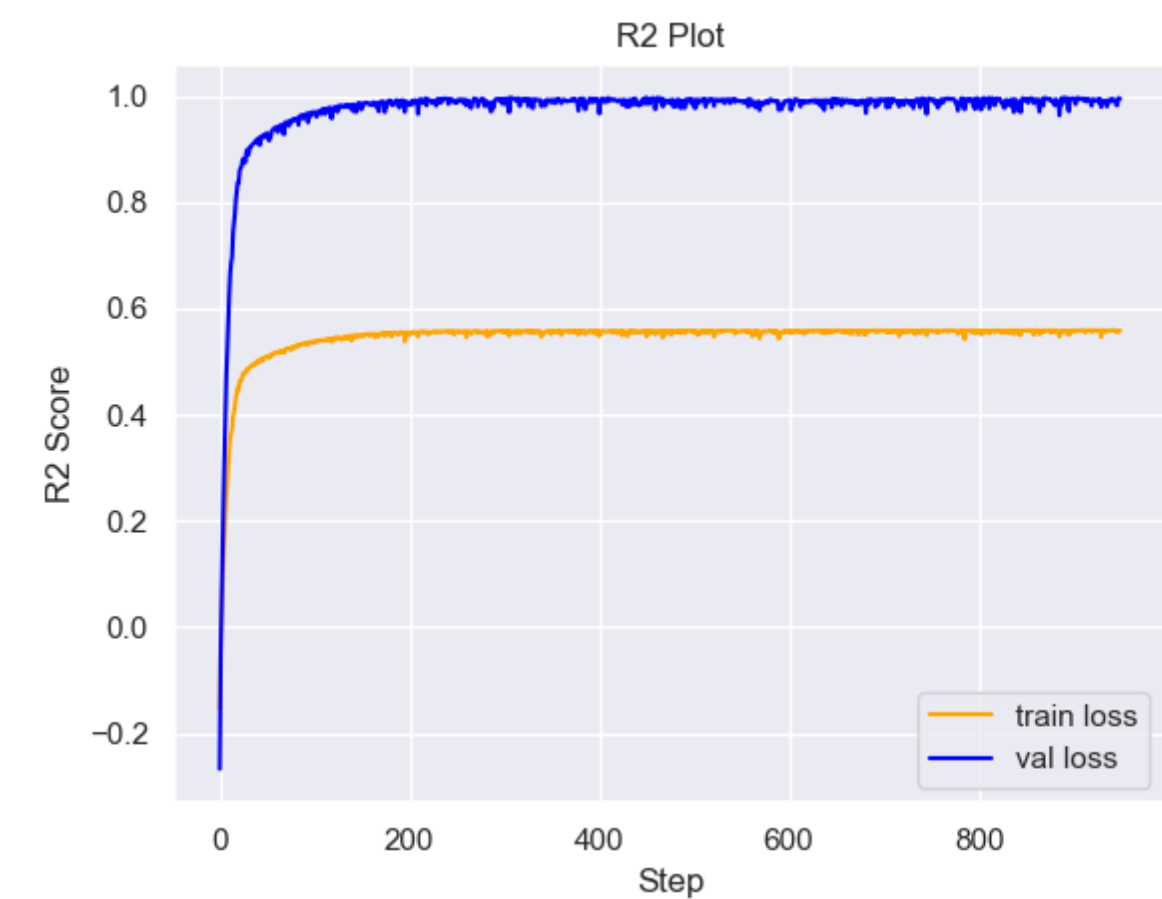
Plot Prediction



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		54
n_samples_training		100
n_samples_test		3175
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_init	70
max_iter	80
n_components	13
random_state	15
init_params	kmeans

Model

using model GNN

Model Params:

► All Params used in the model

KEY	VALUE
dropout	0.0
hidden_layer	[(14, Tanh())]
last_activation	None

► Model Architecture

NeuralNetworkModular((dropout): Dropout(p=0.0, inplace=False) (output_layer): Linear(in_features=14, out_features=1, bias=True) (layers): ModuleList((0): Linear(in_features=1, out_features=14, bias=True)) (activation): ModuleList((0): Tanh()))

Training

► All Params used for the training

KEY	VALUE
learning_rate	0.002518531606034997
epochs	950
loss_type	mse_loss
optimizer	RMSprop
batch_size	76