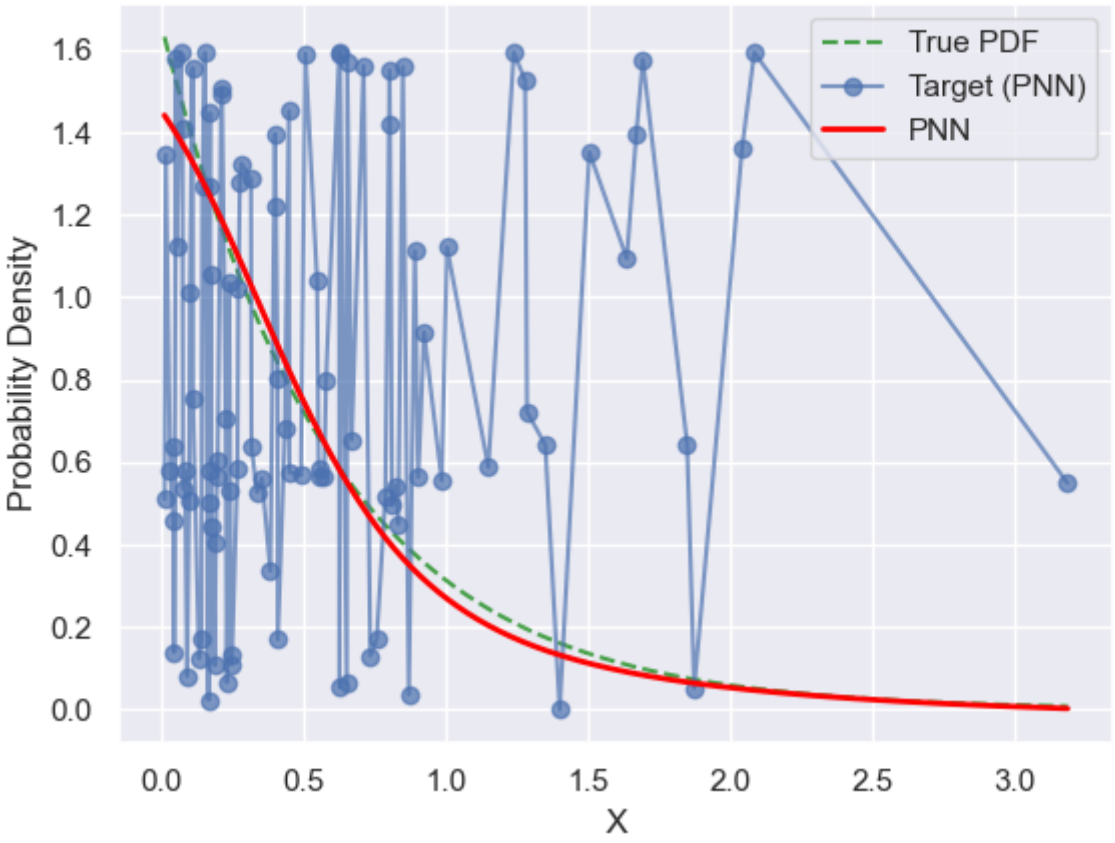
Experiment Details Experiment H0.05856210430161586 S150

> from experiment with PNN on 2024-05-23 16-46

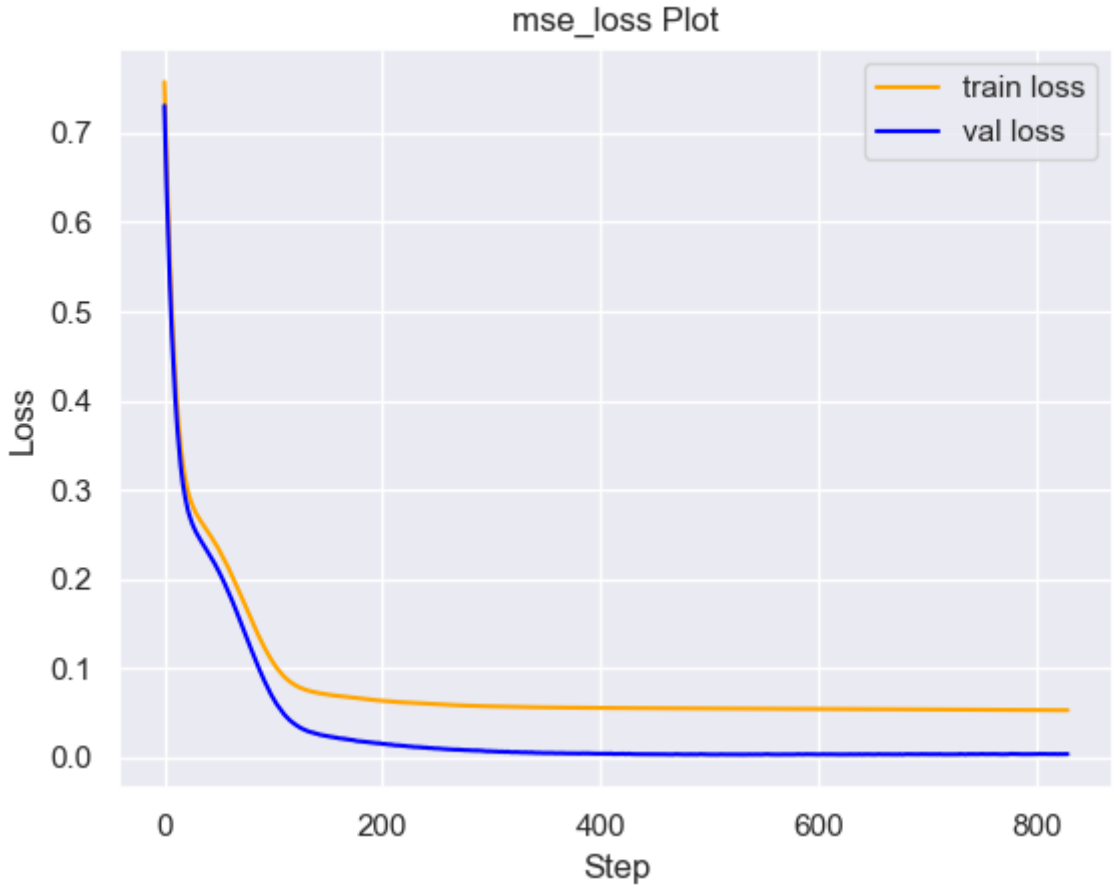
Metrics:

type	r2	mse	max_error	ise	kl	evs
Target	0.7099030361	0.0644095744	0.924033595	0.0644095744	0.0584561884	0.7114500895
Model	0.9936	0.001	0.19	0.0323	0.0034	0.9945

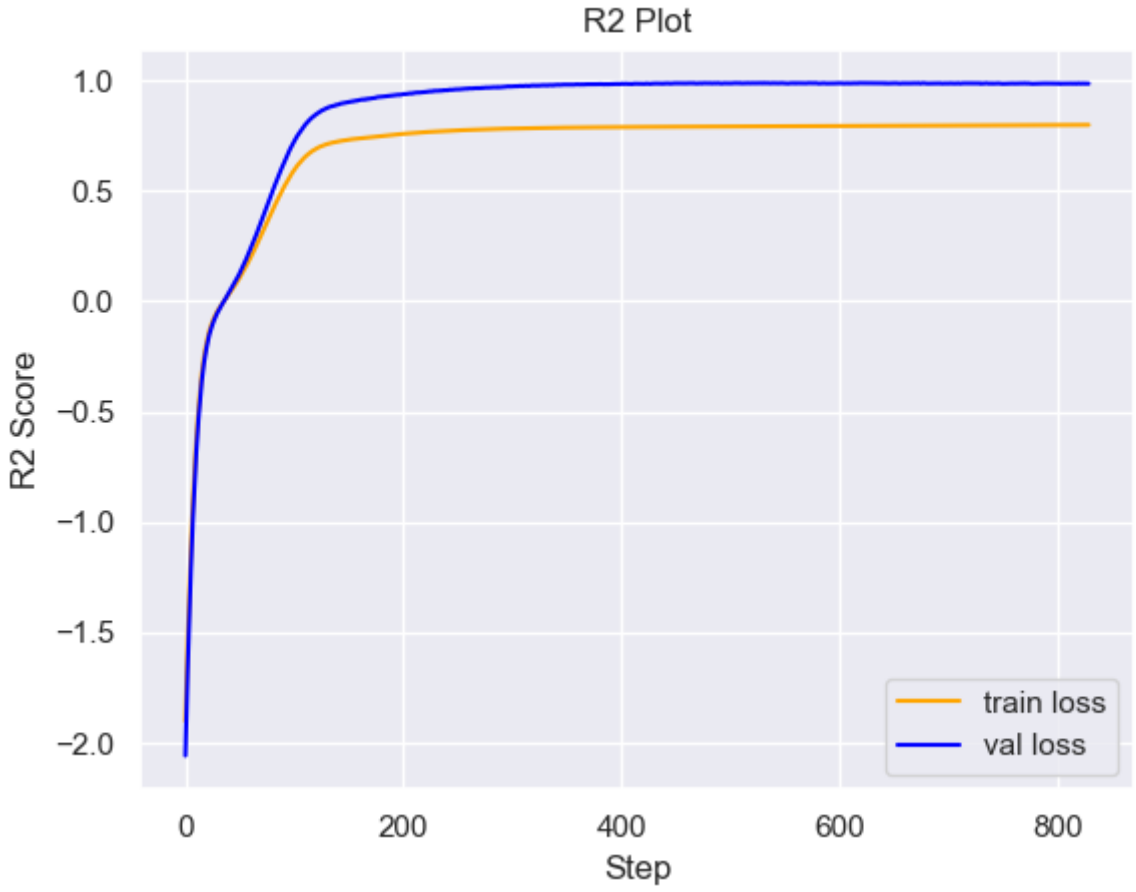
Plot Prediction



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	61
n_samples_training	100
n_samples_test	3175
n_samples_val	50
notes	

Target

- Using PNN Target

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

KEY	VALUE
h	0.05856210430161586

Model

> using model PNN

Model Params:

▶ All Params used in the model

KEY	VALUE
dropout	0.0
hidden_layer	[(18, Tanh()), (4, Tanh()), (20, Tanh())]
last_activation	None

▶ Model Architecture

NeuralNetworkModular((dropout): Dropout(p=0.0, inplace=False) (output_layer): Linear(in_features=20, out_features=1, bias=True) (layers): ModuleList((0): Linear(in_features=1, out_features=18, bias=True) (1): Linear(in_features=18, out_features=4, bias=True) (2): Linear(in_features=4, out_features=20, bias=True)) (activation): ModuleList((0-2): 3 x Tanh()))

Training

▶ All Params used for the training

KEY	VALUE
learning_rate	0.00012072567420347627
epochs	830
loss_type	mse_loss
optimizer	Adam
batch_size	8