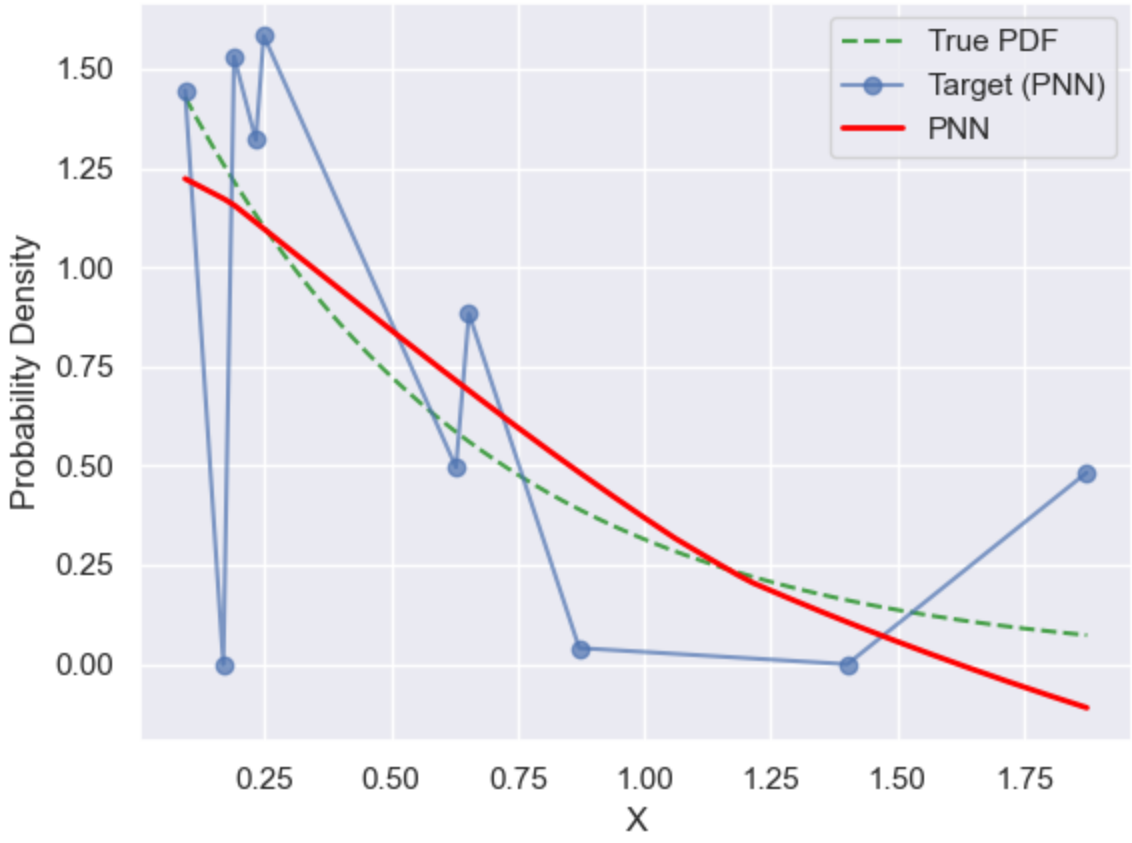
Experiment Details Experiment H0.09085668630067516 S60

> from experiment with PNN on 2024-05-23 16-37

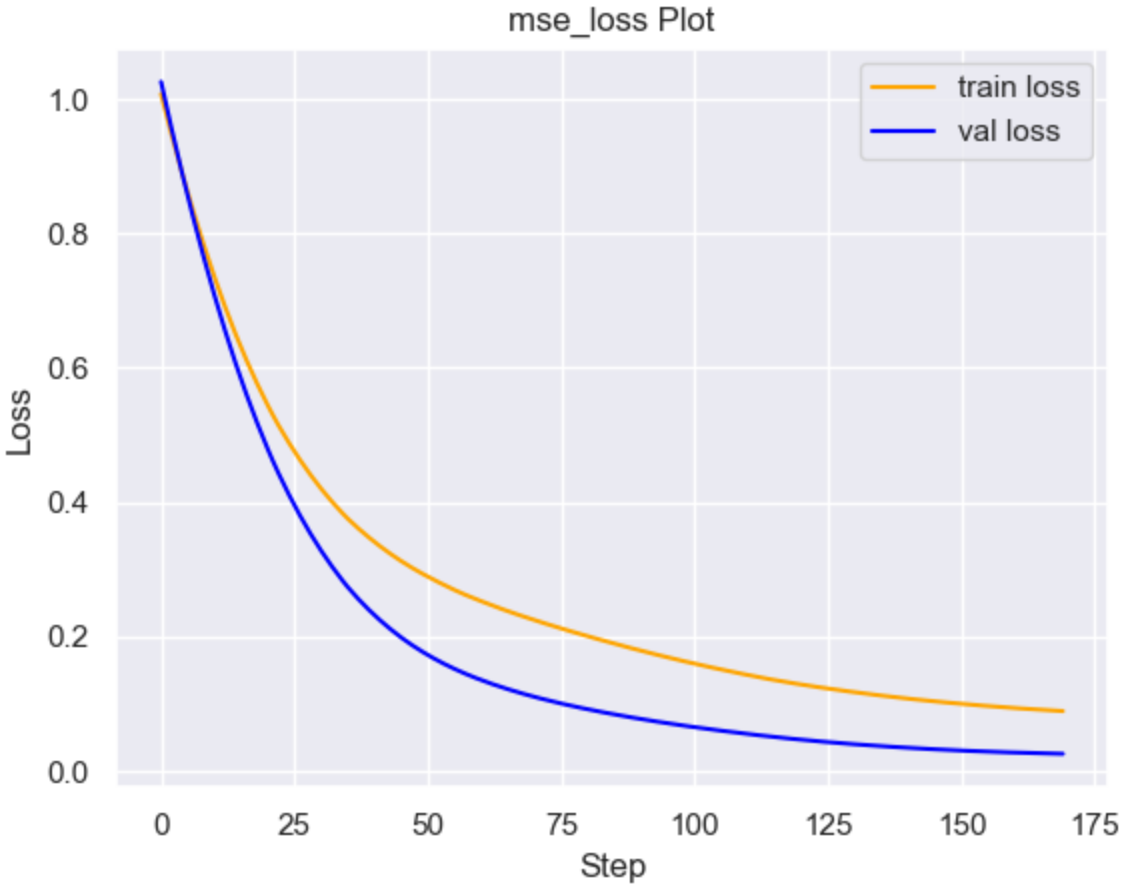
Metrics:

type	r2	mse	max_error	ise	kl	evs
Target	0.6252560124	0.0820382649	0.545701049	0.0082038265	0.4340147359	0.6259810603
Model	0.9291	0.0096	0.2059	0.1705	10000000000.0	0.9291

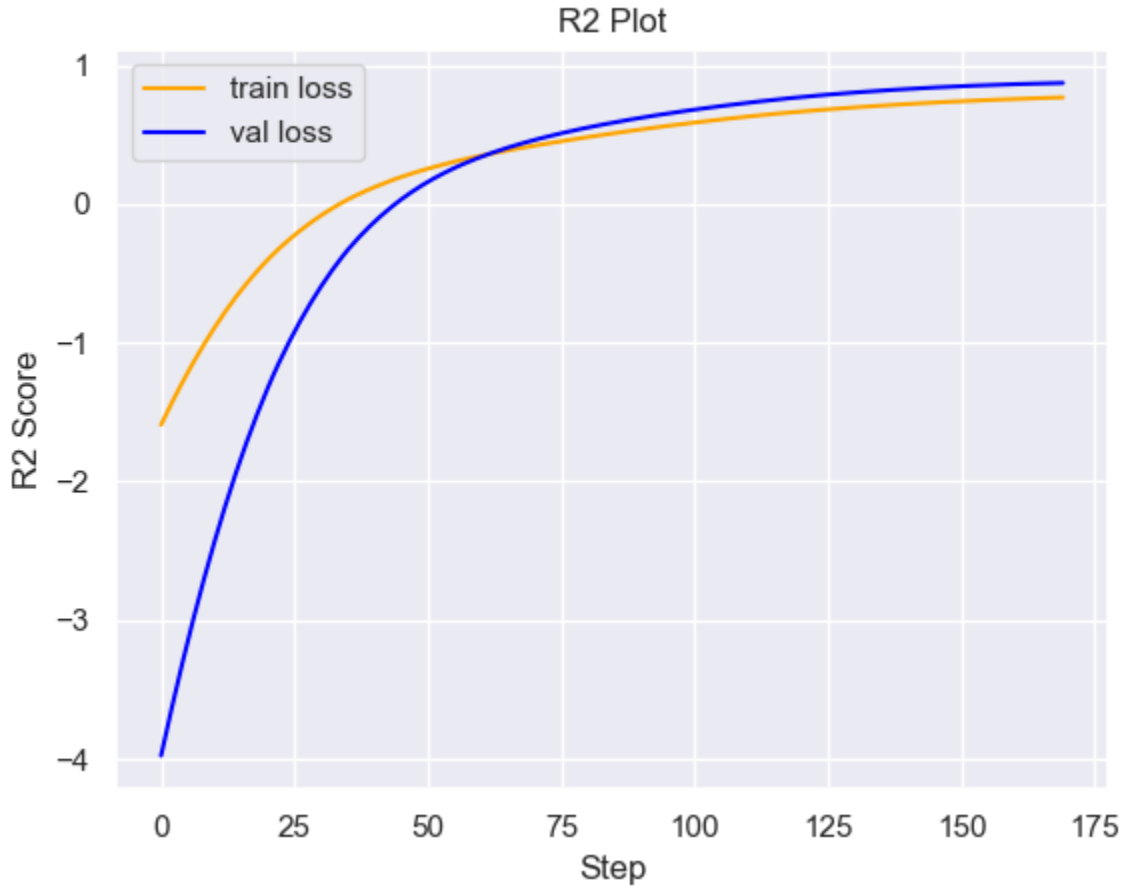
Plot Prediction



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	11
n_samples_training	10
n_samples_test	1784
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	0.09085668630067516

Model

> using model PNN

Model Params:

▶ All Params used in the model

KEY	VALUE
dropout	0.0
hidden_layer	[(12, Tanh()), (52, ReLU())]
last_activation	None

▶ Model Architecture

NeuralNetworkModular((dropout): Dropout(p=0.0, inplace=False) (output_layer): Linear(in_features=52, out_features=1, bias=True) (layers): ModuleList((0): Linear(in_features=1, out_features=12, bias=True) (1): Linear(in_features=12, out_features=52, bias=True)) (activation): ModuleList((0): Tanh() (1): ReLU()))

Training

▶ All Params used for the training

KEY	VALUE
learning_rate	0.00053
epochs	170
loss_type	mse_loss
optimizer	Adam
batch_size	56