

# Experiment Details Experiment

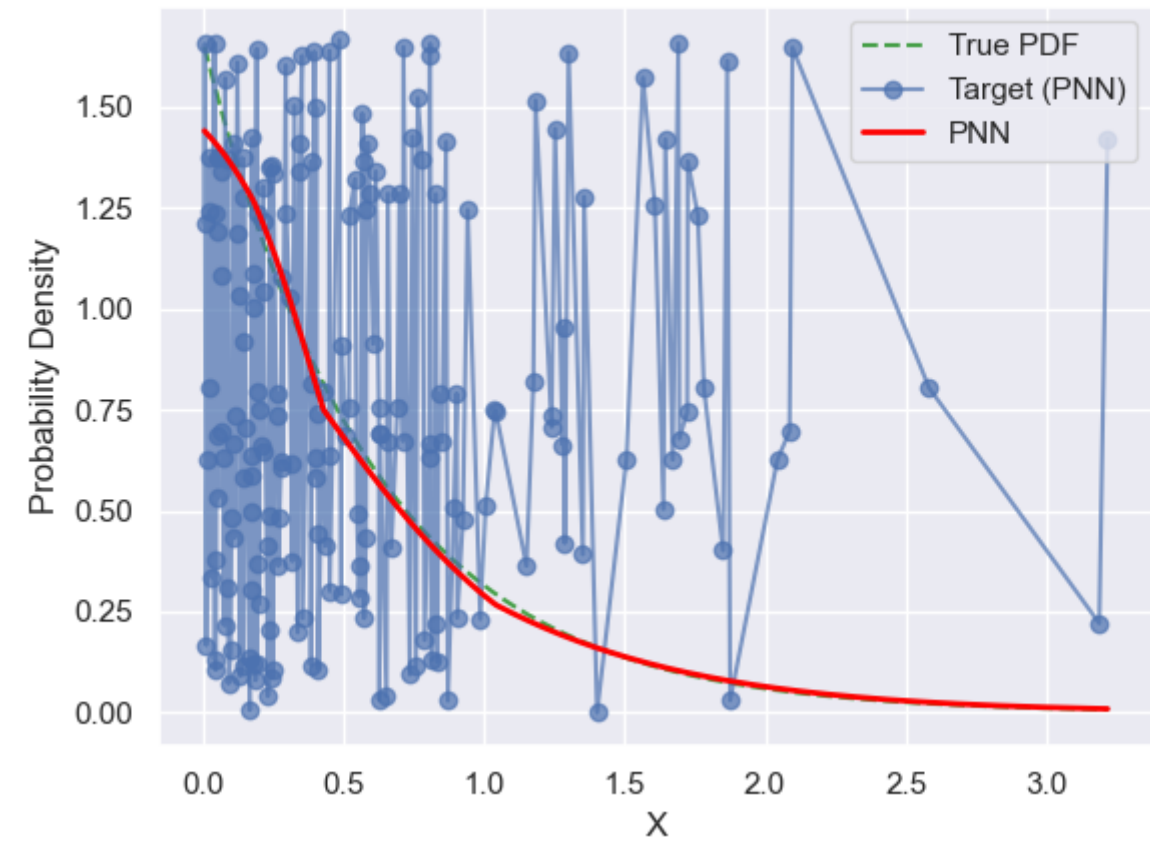
## H0.026604557869874756 S250

from experiment with PNN on 2024-05-23 16-58

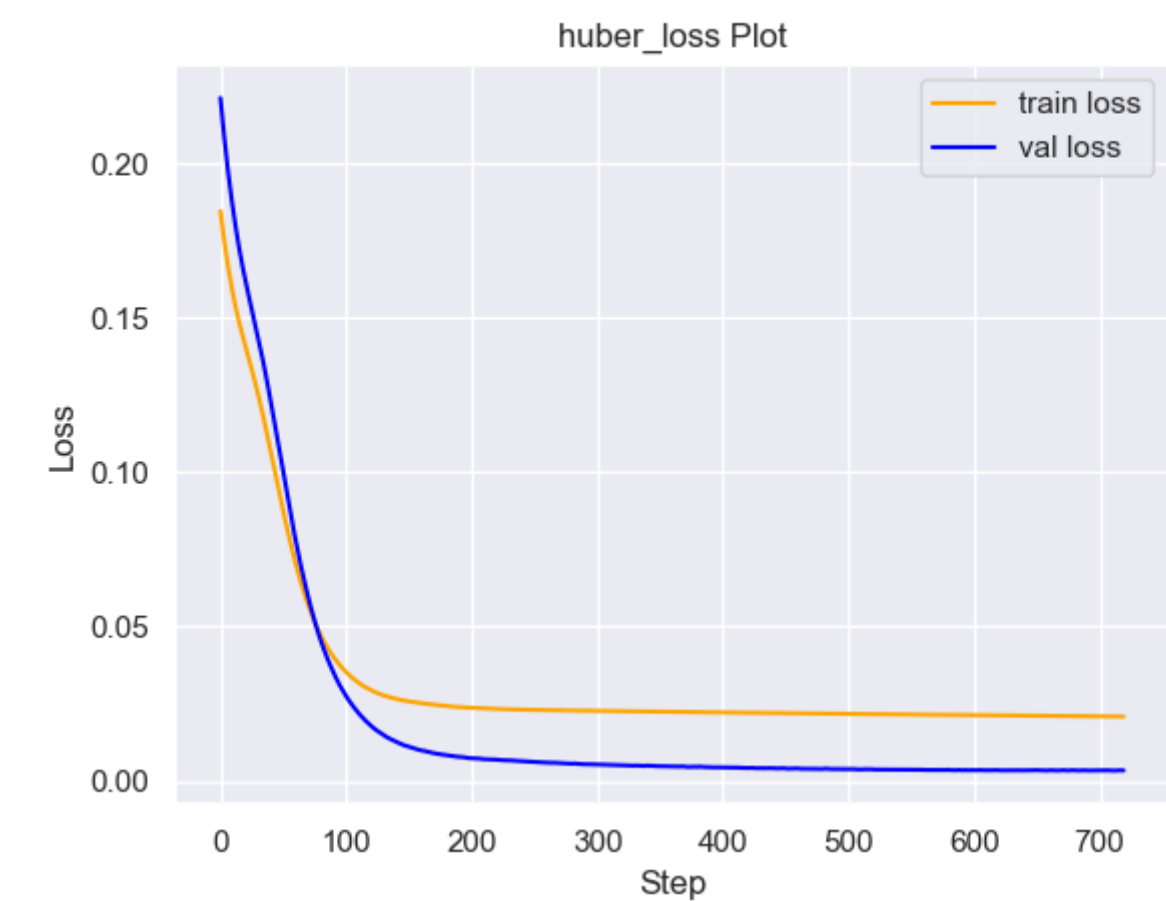
### Metrics:

type	r2	mse	max_error	ise	kl	evs
Target	0.7539108124	0.0566612661	0.963219617	0.1133225322	0.0650394501	0.7556284844
Model	0.9949	0.0008	0.208	0.0261	0.0014	0.9952

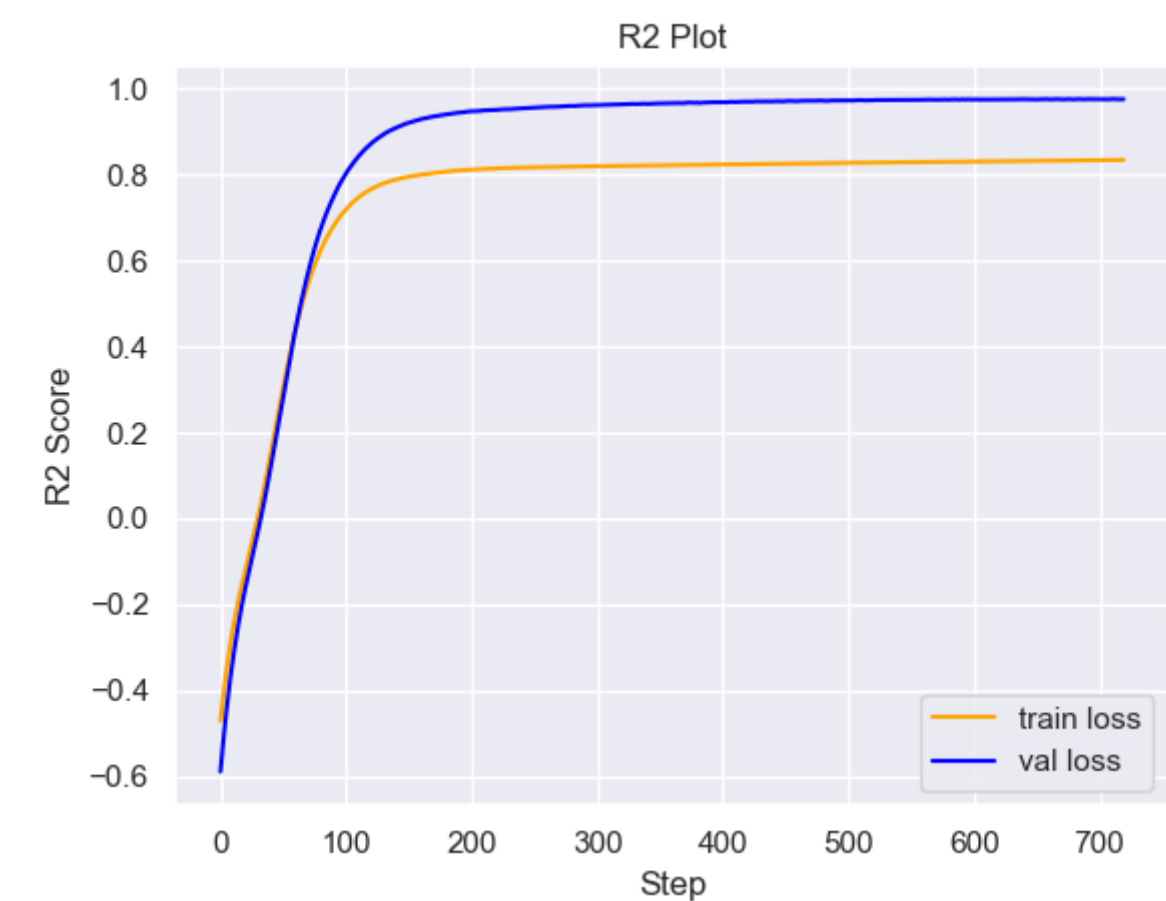
### Plot Prediction



### 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		81
n_samples_training		200
n_samples_test		3210
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	0.026604557869874756

# Model

using model PNN

## Model Params:

► All Params used in the model

KEY	VALUE
dropout	0.0
hidden_layer	[(16, ReLU())]
last_activation	lambda

► Model Architecture

NeuralNetworkModular( (dropout): Dropout(p=0.0, inplace=False) (output\_layer): Linear(in\_features=16, out\_features=1, bias=True) (last\_activation): AdaptiveSigmoid( (sigmoid): Sigmoid() ) (layers): ModuleList( (0): Linear(in\_features=1, out\_features=16, bias=True) (1): AdaptiveSigmoid( (sigmoid): Sigmoid() ) ) (activation): ModuleList( (0): ReLU() ) )

# Training

► All Params used for the training

KEY	VALUE
learning_rate	0.0017160951525772392
epochs	720
loss_type	huber_loss
optimizer	Adam
batch_size	68