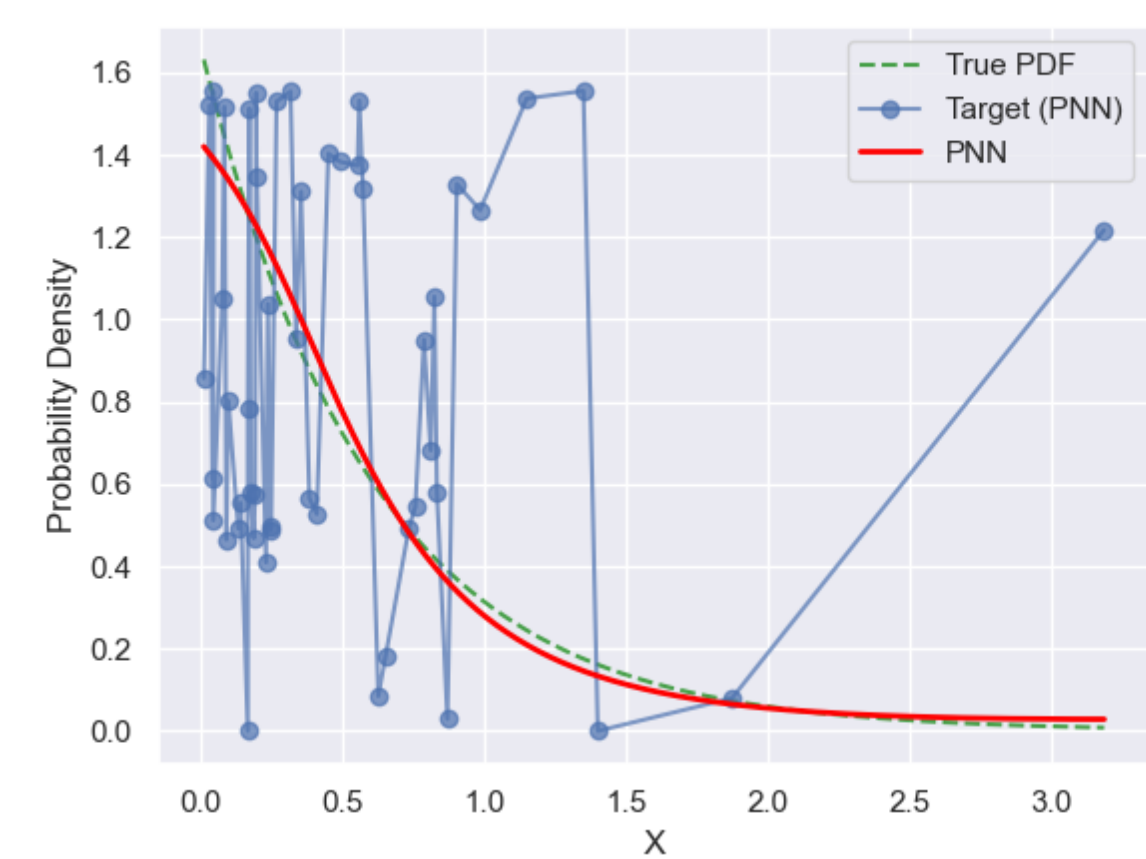# Experiment Details Experiment H0.08920871939579947 S100

> from experiment with PNN on 2024-05-23 16-43
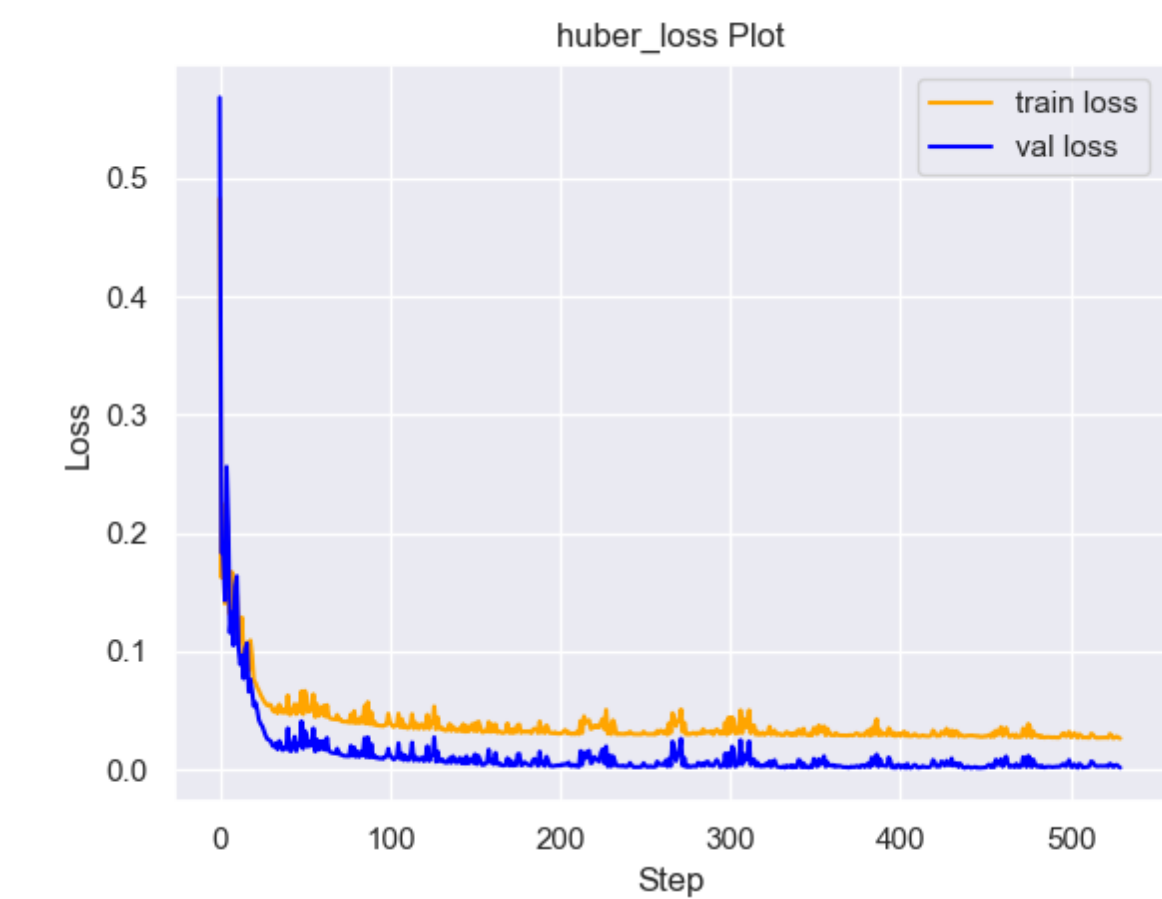
Metrics:

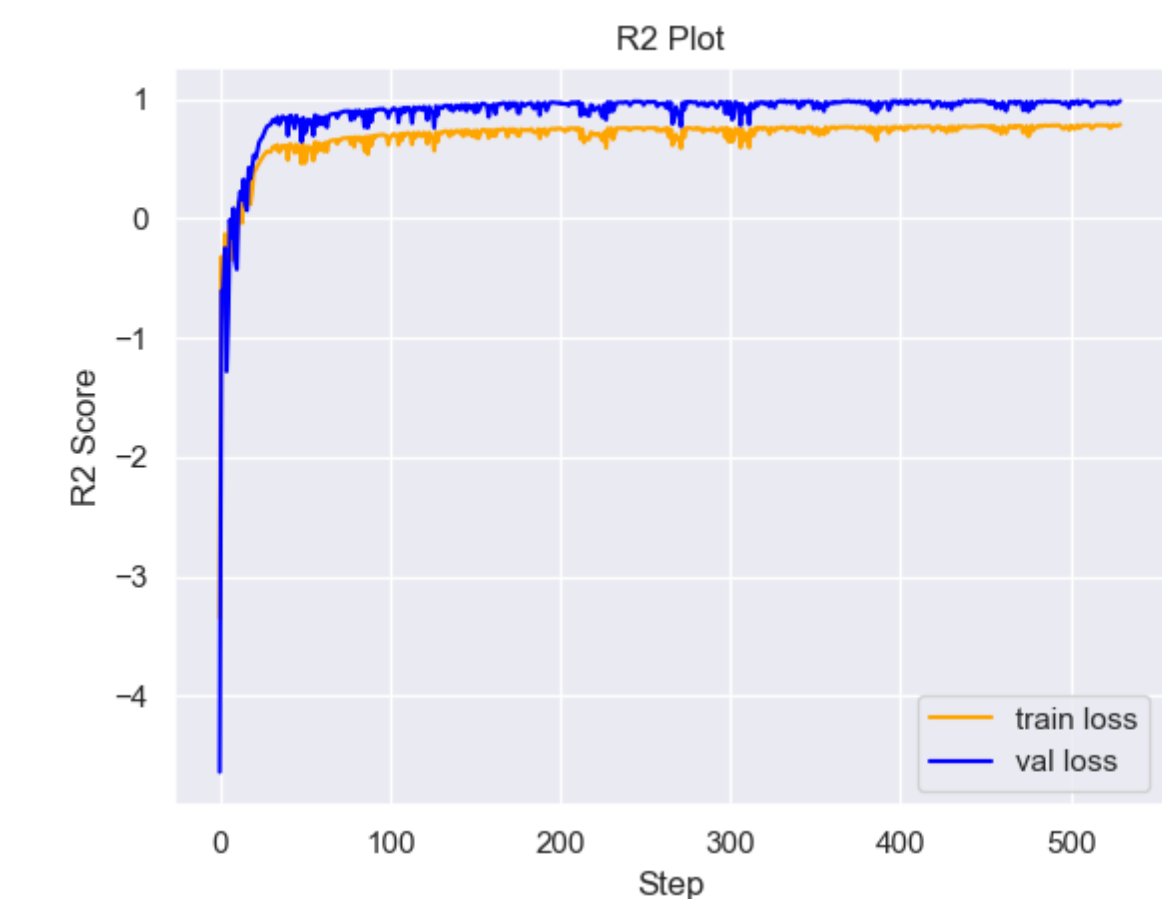| type	r2	mse	max_error	ise	kl	evs
Target	0.6608006995	0.0704918069	0.8297995134	0.0352459035	0.0843061936	0.6625193287
Model	0.9911	0.0014	0.2115	0.0444	0.0076	0.9911

Plot Prediction

Loss Plot

huber_loss Plot

Training Metric Plot

R2 Plot

Dataset

▶ PDF set as default **EXPONENTIAL_06**

Dimension 1

type	rate	weight
exponential	0.6	1

KEY	VALUE
dimension	1
seed	63
n_samples_training	50
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	0.08920871939579947

Model

> using model PNN

Model Params:

▶ All Params used in the model

KEY	VALUE
dropout	0.0
hidden_layer	[(52, Sigmoid()), (50, Tanh())]
last_activation	None

▶ Model Architecture

NeuralNetworkModular((dropout): Dropout(p=0.0, inplace=False) (output_layer): Linear(in_features=50, out_features=1, bias=True) (layers): ModuleList((0): Linear(in_features=1, out_features=52, bias=True) (1): Linear(in_features=52, out_features=50, bias=True)) (activation): ModuleList((0): Sigmoid() (1): Tanh()))

Training

▶ All Params used for the training

KEY	VALUE
learning_rate	0.0076
epochs	530
loss_type	huber_loss
optimizer	Adam
batch_size	42

▶ All Params used for the training