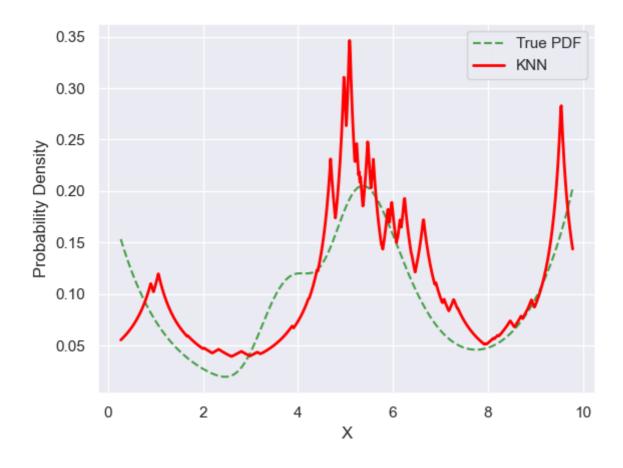# Experiment Details Experiment S50

> from experiment with KNN on 2024-05-23 17-22

Metrics:

type	r2	mse	max_error	ise	kl	evs
Model	0.4752	0.0015	0.1541	64.3591	0.1576	0.5261

Plot Prediction

Dataset

▶ PDF set as default **MULTIVARIATE_1254**

Dimension 1

type	rate	weight	
exponential	1	0.2	
logistic	4	0.8	0.25

type	rate	weight	
logistic	5.5	0.7	0.3
exponential	-1	0.25	-10

KEY	VALUE
dimension	1
seed	37
n_samples_training	50
n_samples_test	953
n_samples_val	0
notes	

Model

> using model KNN

Model Params:

▶ All Params used in the model

KEY	VALUE
k1	7.255122108569863
kn	23

▶ Model Architecture

KNN_Model(k1=7.255122108569863, kn=7, training=array([9.375019 , 4.89003 , 7.043401 , 4.748877 , 5.748054 , 5.605426 , 6.239142 , 5.282705 , 1.641122 , 3.493585 , 4.750192 , 8.015665 , 0.5006845, 9.587764 , 0.8132093, 9.651385 , 5.882876 , 6.88925 , 2.858302 , 5.293085 , 6.54212 , 0.2657254, 1.531607 , 1.506608 , 0.4734116, 3.83722 , 1.223035 , 0.5484621, 9.784623 , 4.383124 , 6.552904 , 5.888731 , 9.298379 , 7.810104 , 6.600198 , 9.338509 , 8.173691 , 5.240142 , 4.883665 , 5.641452 , 5.511702 , 4.965811 , 5.190994 , 7.525979 , 9.414033 , 9.657895 , 4.988422 , 4.951302 , 6.273207 , 6.338143]))