A2: Predicting Car Price

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```
import library
import numpy as np
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
import mlflow
import joblib
import warnings
warnings.filterwarnings('ignore')
```

Preparing data

```
In [40]: dt = pd.read_csv("../data/Cars.csv")
In [41]: #cleansing data (from A1 predicting car price)
         Owner_map = {"First Owner": 1, "Second Owner": 2, "Third Owner": 3, "Fourth & Above Owner": 4, "Test Drive Car": 5}
         dt['owner']=dt['owner'].map(Owner map)
         dt = dt[(dt['fuel'] != 'CNG') & (dt['fuel'] != 'LPG')]
         dt['mileage']=dt['mileage'].str.split().str[0].astype(float)
         dt['engine']=dt['engine'].str.split().str[0].astype(float)
         dt['max_power']=dt['max_power'].str.split().str[0].astype(float)
         dt['name']=dt['name'].str.split().str[0]
         dt = dt.rename(columns={'name':'brand'})
         dt=dt.drop(columns =['torque'])
         dt = dt[(dt['owner'] != 5)]
         dt= pd.get_dummies(dt, columns=['fuel','transmission','seller_type','owner'],drop_first=True)
         X = dt.drop(columns=['selling_price','engine','seats','brand'])
         y = dt['selling_price']
In [42]: #split train and test data
         from sklearn.model_selection import train_test_split
         X_train, X_test, y_train, y_test = train_test_split(X, y, test_size = 0.3, random_state = 42)
In [43]: y_train = np.log(y_train)
         y_test = np.log(y_test)
In [44]: X_train['max_power'].fillna(X_train['max_power'].median(), inplace=True)
         X_train['mileage'].fillna(X_train['mileage'].median(), inplace=True)
```

```
X test['max power'].fillna(X train['max power'].median(), inplace=True)
         X_test['mileage'].fillna(X_train['mileage'].median(), inplace=True)
In [45]: X_train.isna().sum()
                                         0
Out[45]: year
                                         0
         km_driven
         mileage
         max_power
         fuel Petrol
         transmission Manual
         seller_type_Individual
         seller_type_Trustmark Dealer
         owner 2
         owner 3
         owner 4
                                         0
         dtype: int64
In [46]: from sklearn.preprocessing import StandardScaler
         num_features = ['year','km_driven','mileage','max_power']
         scaler = StandardScaler()
         X_train = X_train.copy()
         X_test = X_test.copy()
         X_train[num_features] = scaler.fit_transform(X_train[num_features])
         X test[num features] = scaler.transform(X test[num features])
In [47]: X train = X train.to numpy(dtype=float)
         y_train = y_train.to_numpy(dtype=float).ravel()
         X_test = X_test.to_numpy(dtype=float)
         y_test = y_test.to_numpy(dtype=float).ravel()
```

Task 1. Implementation

```
In [ ]: mlflow.set_tracking_uri("http://localhost:5000")
    mlflow.set_experiment(experiment_name="Car price prediction")

In [49]: from sklearn.model_selection import KFold
    from sklearn.preprocessing import StandardScaler
    from sklearn.preprocessing import PolynomialFeatures

    class LinearRegression(object):
        kfold = KFold(n_splits=3)
```

```
def init (self,
        regularization=None,
        lr=0.001,
       method='batch',
        weight_init_mode='zeros',
       use momentum=True,
        momentum=0.9,
        degree=1, #for polynomial features
       num_epochs=500,
       batch_size=50,
        cv=kfold,):
        self.regularization = regularization
        self.lr
                       = 1r
        self.method
                     = method
        self.num epochs = num epochs
        self.batch size = batch size
        self.cv
                      = CV
        self.weight init mode = weight init mode
        self.use momentum = use momentum
        self.momentum = momentum
        self.degree = degree
        self.prev_step = 0
#metrics
   #function mse that compute the mse score
   def mse(self, ytrue, ypred):
       ytrue = np.asarray(ytrue, dtype=float).reshape(-1) #(m,)
       ypred = np.asarray(ypred, dtype=float).reshape(-1)
       m = ytrue.size
       if m == 0:
           raise ValueError("Empty ytrue in mse")
        else:
           return ((ypred - ytrue) ** 2).sum() / ytrue.shape[0]
   #add a function r2 that compute the r2 score
   def r2(self, ytrue, ypred):
        ss_res = np.sum((ytrue - ypred) ** 2)
       ss_tot = np.sum((ytrue - ytrue.mean()) ** 2)
        r2_score = 1.0 - (ss_res / ss_tot)
        return r2 score
#initializers
   #add a function xavier initialization method to calculated as a random number with uniform prob dist
   def xavier_init(self,n_input,n_output):
        lower,upper = -(1.0/np.sqrt(n_input)), (1.0/np.sqrt(n_input))
       numbers = np.random.rand(n output)
        scaled =lower + numbers*(upper-lower)
        return scaled
   def fit(self, X_train, y_train):
        self.kfold_scores = list()
        #reset val loss
```

```
self.val loss old = np.inf
#cross-validation
for fold, (train idx, val idx) in enumerate(self.cv.split(X train)):
   X cross train = X train[train idx]
   v cross train = v train[train idx]
   X cross val = X train[val idx]
   y_cross_val = y_train[val_idx]
   if self.degree > 1:
       X_cross_train = self.polynomial_features(X_cross_train, self.degree)
       X cross val = self.polynomial features(X cross val, self.degree)
   if self.weight init mode in ('zero', 'zeros'):
       self.theta = np.zeros(X cross train.shape[1])
   elif self.weight_init_mode in ('xavier', 'xavier_init', 'xavier_weigh_init'):
       self.theta = self.xavier init(X cross train.shape[0],X cross train.shape[1])
   else:
       raise ValueError(f"unknown weight init: {self.weight init mode}")
   #define X_cross_train as only a subset of the data
   #how big is this subset? => mini-batch size ==> 50
   #one epoch will exhaust the WHOLE training set
   with mlflow.start_run(run_name=f"Fold-{fold}", nested=True):
       params = {"method": self.method, "lr": self.lr, "reg": type(self). name }
       mlflow.log_params(params=params)
       for epoch in range(self.num_epochs):
           #with replacement or no replacement
           #with replacement means just randomize
           #with no replacement means 0:50, 51:100, 101:150, .....300:323
           #shuffle your index
           perm = np.random.permutation(X_cross_train.shape[0])
           X_cross_train = X_cross_train[perm]
           y cross train = y cross train[perm]
           if self.method == 'stochastic':
               for batch idx in range(X cross train.shape[0]):
                   X_{method\_train} = X_{cross\_train}[batch_idx].reshape(1, -1) #(11,) ==> (1, 11) ==> (m, n)
                   y method train = y cross train[[batch idx]]
                    train_loss = self._train(X_method_train, y_method_train)
           elif self.method == 'mini-batch':
               for batch idx in range(0, X cross train.shape[0], self.batch size):
                    \#batch_idx = 0, 50, 100, 150
                   X_method_train = X_cross_train[batch_idx:batch_idx+self.batch_size, :]
```

```
y method train = y cross train[batch idx:batch idx+self.batch size]
                        train loss = self. train(X method train, y method train)
                else: #batch
                   X method train = X cross train
                   y method train = y cross train
                   train loss = self. train(X method train, y method train)
                mlflow.log metric(key="train loss", value=train loss, step=epoch)
               yhat_val = self.predict(X_cross_val)
               val loss new = self.mse(y cross val, yhat val)
               val_r2 = self.r2(y_cross_val, yhat_val)
               mlflow.log metric(key="val loss", value=val loss new, step=epoch)
               mlflow.log metric(key="val r2", value=val r2, step=epoch)
                #early stopping
               if np.allclose(val loss new, self.val loss old):
               self.val loss old = val loss new
           self.kfold scores.append(val loss new)
           print(f"Fold {fold}: MSE Score - {val loss new}, R2 Score - {val r2}")
#update
def train(self, X, y):
   yhat = self.predict(X)
    m = X.shape[0]
    if self.regularization is not None:
        reg grad = self.regularization.derivation(self.theta)
    else: reg_grad = 0
    grad = (1/m) * X.T @(yhat - y) + reg_grad
    #add momentum from pseudocode
    if self.use momentum:
        step = self.lr*grad
        self.theta = self.theta - step + self.momentum*self.prev_step
        self.prev step = step
    else:
        self.theta = self.theta - self.lr * grad
    return self.mse(y, yhat)
def predict(self, X, poly=False):
    if X.ndim == 1:
       X = X.reshape(1, -1)
                                             \# (1, n)
    if poly and self.degree > 1:
       X = self.polynomial_features(X, self.degree)
    return X @ self.theta
def _coef(self):
    return self.theta[1:] #remind that theta is (w0, w1, w2, w3, w4....wn)
                           #w0 is the bias or the intercept
                           #w1....wn are the weights / coefficients / theta
```

```
def bias(self):
                 return self.theta[0]
             #polynomial features
             def polynomial_features(self,X, degree):
                 X \text{ poly = np.ones}((X.shape[0], 1))
                 for d in range(1, degree + 1):
                     X_poly = np.hstack((X_poly, X ** d))
                 return X_poly
In [50]: class LassoPenalty:
             def __init__(self, 1):
                 self.l = 1 # Lambda value
             def call (self, theta): # call allows us to call class as method
                 return self.1 * np.sum(np.abs(theta))
             def derivation(self, theta):
                 return self.1 * np.sign(theta)
         class RidgePenalty:
             def init (self, 1):
                 self.1 = 1
             def __call__(self, theta): #__call__ allows us to call class as method
                 return self.1 * np.sum(np.square(theta))
             def derivation(self, theta):
                 return self.1 * 2 * theta
         class Lasso(LinearRegression):
             def __init__(self, method, lr, l,weight_init_mode,use_momentum):
                 self.regularization = LassoPenalty(1)
                 super().__init__(self.regularization, lr, method,weight_init_mode,use_momentum)
         class Ridge(LinearRegression):
             def init (self, method, lr, l,weight init mode,use momentum):
                 self.regularization = RidgePenalty(1)
                 super().__init__(self.regularization, lr, method,weight_init_mode,use_momentum)
         class Polynomial(LinearRegression):
             def init (self, method='batch', lr=0.001, weight init mode='zeros', use momentum=True, momentum=0.9, degree=2):
                 super().__init__(regularization=None,lr=lr,method=method,weight_init_mode=weight_init_mode, use_momentum=use_momentum,momentum=momentum,degree=degree)
```

Task 2 Expirement

```
In [35]: import sys
def str_to_class(classname):
    return getattr(sys.modules[__name__], classname)
```

MLflow

```
In [15]: regs = ["Polynomial", "Ridge", "Lasso", "LinearRegression"] #(1) polynomial, lasso, ridge, normal
          momentums=[True,False] #(2) with or without momentum
          methods =['stochastic', 'mini-batch', 'batch'] #(3) stochastic, mini-batch, batch
          weights =['zeros', 'xavier'] #(4) zero, xavier
         learning rates = [0.01, 0.001, 0.0001] #(5) Learning rates
         best mse = float("inf")
         i=0
         #for loop order (4 regs -> 3 methods -> 3 learning rates -> 2 weights -> with or without momentum)
         for reg in regs:
             for lr in learning rates:
                  for method in methods:
                           for weight in weights:
                                 for momentum in momentums:
                                     if reg == 'Polynomial':
                                         params = {'method': method, 'lr': lr,'weight init mode':weight,'use momentum':momentum ,'degree': 2}
                                     elif reg == 'Ridge': # L = Lambda
                                         params = {'method': method, 'lr': lr, 'l': 0.1,'weight init mode':weight,'use momentum':momentum}
                                     elif reg == 'Lasso': # L = Lambda
                                         params = {'method': method, 'lr': lr, 'l': 0.1,'weight init mode':weight,'use momentum':momentum}
                                     else: #LinearRegression
                                         params = {'method': method, 'lr': lr,'weight_init_mode':weight,'use_momentum':momentum}
                                      mlflow.start_run(run_name=f"method-{params['method']}-lr-{params['lr']}-weight_init_mode-{params['weight_init_mode']}-use_momentum-{pa
                                      print("="*5, reg, "="*5)
                                     type of regression = str to class(reg)
                                                                               #Ridge, Lasso, Polynomial, LinearRegression
                                     model = type_of_regression(**params)
                                     model.fit(X_train, y_train)
                                     if reg == 'Polynomial':
                                          poly = True
                                     else:
                                          poly = False
                                     yhat = model.predict(X_test,poly)
                                     mse = model.mse(y_test, yhat)
                                     r2_score = model.r2(y_test, yhat)
```

```
print("Test MSE: ", mse)
print("Test R2: ", r2_score)
mlflow.log_metric(key="test_mse", value=mse)
mlflow.log_metric(key="test_m2", value=r2_score)

if mse < best_mse:
    signature = mlflow.models.infer_signature(X_train, model.predict(X_train, poly))

logged_model = mlflow.sklearn.log_model(
    model,
    artifact_path=f"model",
    signature=signature,
    registered_model_name=f"model{i}")
    i += 1
    best_mse = mse

    joblib.dump(model, f"method-{params['method']}-lr-{params['lr']}-weight_init_mode-{params['weight_init_mode']}-use_momentum-{param mlflow.end_run()</pre>
```

```
==== Polvnomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/cc58962c2bfd4cf4aa08436a46861625
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/78f3b4a28522470da3b0a79291fe7735
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/b2d92822d48b43ddba956dfe4975f6c6
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: inf
Test R2: -inf
==== Polvnomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/1d7003debefa46bb926c2f6bdc4d1c17
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/2285ecdfa76f41f080621f61487b989f
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/fb6ea7a461e14e789b2cb68f1ddd387a
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: inf
Test R2: -inf
🏂 View run method-stochastic-lr-0.01-weight_init_mode-zeros-use_momentum-False-reg-Polynomial at: http://localhost:5000/#/experiments/176410324244826153/runs/e9e
07805b6fd4a3e9425ba2b6ec217f3
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Polynomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/f4cd4db2e71542e2b810d9ae659f7773
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/fbf920f4ec8146c0afbeb35733c2d879
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/1eb2489f80bd4f5da50140efdae32dd0
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: inf
Test R2: -inf
==== Polynomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/31a755f1ab804f9fa9ebfbd9a4773da8
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/410b1a274763499983a1819f64e71d13
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/25fa05874eae42cb8bc314e7159d4313
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: inf
Test R2: -inf
```

```
🏂 View run method-stochastic-lr-0.01-weight init mode-xavier-use momentum-False-reg-Polynomial at: http://localhost:5000/#/experiments/176410324244826153/runs/a3
f4013b40f243a7a2e7c22cd29cdaf6
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Polynomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/2f1ea5dba7934334a21f87119976467b
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/cd4c26b52abb4c54b169193b7e1845b5
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/ee676b0bea434473976aebe151a324fc
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: inf
Test R2: -inf
==== Polynomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏂 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/accf7cd4bde9404e83e31fd765331e55
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/f79fe86b79cc484dbbe0af75cb398c0a
View experiment at: http://localhost:5000/#/experiments/176410324244826153
2025/09/12 11:36:00 WARNING mlflow.models.model: `artifact path` is deprecated. Please use `name` instead.
Fold 2: MSE Score - 3.460195803809411e+82, R2 Score - -4.9828430928783446e+82
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/30dad062d358442aa2162826259598f4
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 7.549217636066139e+79
Test R2: -1.0729617484217485e+80
Registered model 'model0' already exists. Creating a new version of this model...
2025/09/12 11:36:02 INFO mlflow.store.model_registry.abstract_store: Waiting up to 300 seconds for model version to finish creation. Model name: model0, version 5
Created version '5' of model 'model0'.
```

```
🏂 View run method-mini-batch-lr-0.01-weight init mode-zeros-use momentum-False-reg-Polynomial at: http://localhost:5000/#/experiments/176410324244826153/runs/da6
32699ce6548a9875c441cb3583515
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Polynomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/a05454caa929414baf383d7933287469
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/b43a1b3733f04e7792bd570cad69ccf0
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - inf, R2 Score - -inf
View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/8fc7ad1ce15d46df9b2338f5dad7029c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: inf
Test R2: -inf
==== Polynomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/c6494094e4d6460dae66901710398558
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/bfa44f5c45fc499b8078de2e6a6142db
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 6.44609733319662e+113, R2 Score - -9.282680343516616e+113
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/de16178f4663407c9e02439890a73b29
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 7.058350391506966e+111
Test R2: -1.0031953431655308e+112
🏃 View run method-mini-batch-lr-0.01-weight init mode-xavier-use momentum-False-reg-Polynomial at: http://localhost:5000/#/experiments/176410324244826153/runs/85
0a9189838c4b3d92d256d301804a75
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Polvnomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/09049de2c58d4c728594d17cef404a79
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/b16a25d0dd884d51aed25dc207a06ceb
View experiment at: http://localhost:5000/#/experiments/176410324244826153
2025/09/12 11:37:59 WARNING mlflow.models.model: `artifact path` is deprecated. Please use `name` instead.
Fold 2: MSE Score - 14.408090944176276, R2 Score - -19.748321919734398
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/261c744bb7494dada54c818da963387d
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 15.939296934556882
Test R2: -21.654342121241946
Registered model 'model1' already exists. Creating a new version of this model...
2025/09/12 11:38:01 INFO mlflow.store.model registry.abstract store: Waiting up to 300 seconds for model version to finish creation. Model name: model1, version 3
Created version '3' of model 'model1'.
```

```
==== Polvnomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/8f5932a82df64414a15def7fabc35cc1
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/08b7096d530c45fbbf31da6aee714259
View experiment at: http://localhost:5000/#/experiments/176410324244826153
2025/09/12 11:39:20 WARNING mlflow.models.model: `artifact path` is deprecated. Please use `name` instead.
Fold 2: MSE Score - 3.9942880308516795, R2 Score - -4.751960771579561
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/d0347e695ef0480f90cff9056c648cda
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 4.284207389089759
Test R2: -5.089095416772866
Registered model 'model2' already exists. Creating a new version of this model...
2025/09/12 11:39:22 INFO mlflow.store.model registry.abstract store: Waiting up to 300 seconds for model version to finish creation. Model name: model2, version 3
Created version '3' of model 'model2'.
🏃 View run method-batch-lr-0.01-weight init mode-zeros-use momentum-False-reg-Polynomial at: http://localhost:5000/#/experiments/176410324244826153/runs/86312a80
640449c382eafd8e26b25d7d
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Polynomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/398965ae1dab43d8b520167630c015e5
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/c6e432a540eb4d14908f44c11778503e
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 14.350052823948596, R2 Score - -19.664744323870675
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/4394bf52c9454143b8b3cf2a140bbdf0
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 15.882744611027631
Test R2: -21.57396494461722
==== Polynomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/3c70d54d860049d6838f91d2e6595113
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/f80470eeb48d4527b18b6ff4a4db251e
View experiment at: http://localhost:5000/#/experiments/176410324244826153
2025/09/12 11:41:32 WARNING mlflow.models.model: `artifact path` is deprecated. Please use `name` instead.
Fold 2: MSE Score - 3.9864162353762507, R2 Score - -4.740625019518909
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/4d4e0d396aba40718c7e9dd6ddf66a99
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 4.2761572280502405
Test R2: -5.077653814105627
Registered model 'model3' already exists. Creating a new version of this model...
2025/09/12 11:41:35 INFO mlflow.store.model registry.abstract store: Waiting up to 300 seconds for model version to finish creation. Model name: model3, version 3
Created version '3' of model 'model3'.
```

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🏂 View run method-batch-lr-0.01-weight init mode-xavier-use momentum-False-reg-Polynomial at: http://localhost:5000/#/experiments/176410324244826153/runs/897557a
9b05645028ec9f68ce1ade1ab
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Polynomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/d2abf5d9d18f4098ad57543f7b8c9872
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/bb5fc7577ee1432096568966a44422af
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/1ed87c993b254df99a0facdfe2e16f00
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: inf
Test R2: -inf
==== Polynomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/3fb7423bc5dd4288b5f11c939dae94f3
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/46fd76e4594341ac9a016abf8ce302e4
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/8540eb37d7a9441b9f5b2cbda3eded80
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 8.288275402126922e+302
Test R2: -1.1780031912685954e+303
🏃 View run method-stochastic-lr-0.001-weight init mode-zeros-use momentum-False-reg-Polynomial at: http://localhost:5000/#/experiments/176410324244826153/runs/21
7f25979a1f462a9a85d9f39df7a132
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Polvnomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/7cbf282b0cc9412c945830142fc77e64
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/5f04d096732f4c74aee7c3d0699cb7ff
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/9833c2a8f4ff46e69cf38eb6525a5ec0
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: inf
Test R2: -inf
==== Polynomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/95eb167b50a248789e2b4b5f5b404c6d
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/ffd56c059c9248fba57625e659d1da6a
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - inf, R2 Score - -inf
🏂 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/e97f35ac452e469ab7965e25e530785b
```

```
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: inf
Test R2: -inf
🏃 View run method-stochastic-lr-0.001-weight init mode-xavier-use momentum-False-reg-Polynomial at: http://localhost:5000/#/experiments/176410324244826153/runs/5
15e6d4d8dd740e99e322aca25389c9c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Polynomial =====
Fold 0: MSE Score - 4.561223788722485e+92, R2 Score - -6.643387340873878e+92
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/fc2225e6436a47c69e795589ac52d9d2
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/e75ab345b87845a9871020c10bca21a3
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 2.779426613489474e+294, R2 Score - -4.002503756562301e+294
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/5b9d3ef481474119b9e29693778e41f6
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 3.047516380053828e+294
Test R2: -4.3314004988606814e+294
==== Polynomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/3150b155f96a4b06a04d90b8124d381f
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/14ed40dab3c74409a1385a1cbb443432
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/fe9758a8a94849db9d5e99261d0d55ce
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 8.189432019417234e+303
Test R2: -1.1639546932857802e+304
🏃 View run method-mini-batch-lr-0.001-weight init mode-zeros-use momentum-False-reg-Polynomial at: http://localhost:5000/#/experiments/176410324244826153/runs/03
3b93992185441d939ffa270fc4658d
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Polvnomial =====
Fold 0: MSE Score - 4.49311898980469e+81, R2 Score - -6.544193225447684e+81
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/031045d73b71408b9fce859571c7ab6b
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/f92da5c8364e4fb8ad71b9c402c61e26
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 1.3297202935420905e+295, R2 Score - -1.9148591454974556e+295
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/0e23faa534f64e2a88fb4fd329f3a85c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 1.1979693623766097e+295
Test R2: -1.7026602802791857e+295
==== Polynomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/7388af11ff454247993ecf00873efbca
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏂 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/ee2527b7e4f54068b27ee15ed2cfa23e
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View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/a068bdf7efd745b5b9e33a902c7d65cb
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 8.19549188734187e+303
Test R2: -1.1648159754473327e+304
🏃 View run method-mini-batch-lr-0.001-weight init mode-xavier-use momentum-False-reg-Polynomial at: http://localhost:5000/#/experiments/176410324244826153/runs/5
afced026eaa4dc0a20a6dfe31ac3d42
View experiment at: http://localhost:5000/#/experiments/176410324244826153
===== Polvnomial =====
Fold 0: MSE Score - 86.03268943232565, R2 Score - -124.30594997096739
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/5265ef4ffb4c405db58427e74cd953eb
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 85.92628856897801, R2 Score - -117.80186670544946
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/1ead2ed95b574118a2ed6e7a047468a0
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 92.6766837141083, R2 Score - -132.4587403427622
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/672feee75a2d4563aa8641cb68b93170
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 86.27995742655666
Test R2: -121.62872583230053
==== Polynomial =====
Fold 0: MSE Score - 11.019043306475856, R2 Score - -15.049151763124907
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/74d8166e4fd74f0dbf3b9a90f97c3a59
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.249159964218517, R2 Score - -15.935714244827697
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/b0a9ab0489d349e8905f990cfd386c76
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 14.23776214167885, R2 Score - -19.50304051221747
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/e245cd4fe83f4714be56f896ea6b3ef3
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 15.767509937862643
Test R2: -21.410183209398436
🏃 View run method-batch-lr-0.001-weight init mode-zeros-use momentum-False-reg-Polynomial at: http://localhost:5000/#/experiments/176410324244826153/runs/4b55f1a
506db48ee80b1620b42fa02bb
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Polynomial =====
Fold 0: MSE Score - 85.86705574812993, R2 Score - -124.06470578480646
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/5e566d42481a4d11b0177239934f0690
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 85.57683546795457, R2 Score - -117.31871211540492
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/14179e4a18bd484598666c40698fd2a7
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 92.47396850132061, R2 Score - -132.16682099624762
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/b638806a07364848a43d3c44886b7091
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 86.01747110496609
Test R2: -121.25565699771681
==== Polynomial =====
Fold 0: MSE Score - 11.019540824646189, R2 Score - -15.049876394510637
🏂 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/7c682603d2c84c8f9d18de7cf4941c50
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View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.238207996676609, R2 Score - -15.920572031545301
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/52437347bdbc43ad825ffd1b9ee4d519
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 14.244771583550834, R2 Score - -19.513134434930834
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/85c0f77d922644f284046b2423eb4cfc
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 15.75565506502762
Test R2: -21.393334012968314
🏃 View run method-batch-lr-0.001-weight init mode-xavier-use momentum-False-reg-Polynomial at: http://localhost:5000/#/experiments/176410324244826153/runs/d956db
c4f7c0475eb78200feb009499b
View experiment at: http://localhost:5000/#/experiments/176410324244826153
===== Polvnomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/0801daf2bd7348aeba412bc730903360
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/f0425881df6d4dde84572f191db6553f
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/1933d9a672f44530953047ff630e6cdc
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 3.0239499935550565e+302
Test R2: -4.297905860766129e+302
==== Polynomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/199af469c2dc4f5582217cb541335710
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/7654e6d83ace46c1a7fc2e0a0df9654d
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/c0ae6c09d10f460bbec465a0482b33d5
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 1.2707678938813272e+304
Test R2: -1.8061280082099174e+304
🏃 View run method-stochastic-lr-0.0001-weight init mode-zeros-use momentum-False-reg-Polynomial at: http://localhost:5000/#/experiments/176410324244826153/runs/9
721cf3ab90d4b9fa84e130c1dfeaa25
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Polynomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/50795fedac114875b8137bf0d6dda41a
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/0ce4b61708454a99b111891be85fdb13
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/907f9e3cb24543a38930c1f1281e4574
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 1.811234401052208e+303
Test R2: -2.5742869307014492e+303
```

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==== Polvnomial =====
Fold 0: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/69a7edcf01d94a24b0c492a16a1910c4
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/c074b5fc6d224875af80977b4652ae27
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/c129f915943e46739b1dc9c89e6065f0
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 6.318497788485992e+304
Test R2: -8.9804093104218e+304
🏃 View run method-stochastic-lr-0.0001-weight init mode-xavier-use momentum-False-reg-Polynomial at: http://localhost:5000/#/experiments/176410324244826153/runs/
51dbdf63645a495db13a170be58ff3e6
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Polynomial =====
Fold 0: MSE Score - 14.014539432623707, R2 Score - -19.412068814748253
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/a79c98ccc4de4cb8a7f3e9e9c9579e6a
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 15.367649139311087, R2 Score - -20.247343915697595
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/e9dacd8713d643299d314a673e1ed2cd
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 17.590070749819173, R2 Score - -24.330521019210394
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/656c426f56514781b03531673402b650
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 19.35091119216097
Test R2: -26.503230807787926
==== Polynomial =====
Fold 0: MSE Score - 2.7780417263519166e+59, R2 Score - -4.046196392050918e+59
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/c62302a14b1e49d9bf9d8c1a06ccb5ef
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/e993028d431143c981cf8cc1377a8b90
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 4.6154142659640875, R2 Score - -5.646411474926483
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/5826d7ce6c47443994878b362871d3ae
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 5.018739645323325
Test R2: -6.133077789403504
🏃 View run method-mini-batch-lr-0.0001-weight init mode-zeros-use momentum-False-reg-Polynomial at: http://localhost:5000/#/experiments/176410324244826153/runs/c
3e6b34085414637bd9dc55ba45587c9
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Polynomial =====
Fold 0: MSE Score - 13.998884564727474, R2 Score - -19.389267620151745
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/8badee17893042e49d0518281c3d084c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 15.435000583732384, R2 Score - -20.34046416394543
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/a4cb283989864d7b8b54b2dc44c63d41
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 17.56809372404695, R2 Score - -24.298873078665938
🏂 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/deed19c8b35b4610960ad19c83ae4550
```

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View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 19.369922704608584
Test R2: -26.53025165500589
==== Polynomial =====
Fold 0: MSE Score - 3.9286694322208095e+49, R2 Score - -5.722076789353045e+49
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/765012e9e0a1444aacd06643287048ba
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - inf, R2 Score - -inf
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/fedd03a326914b88aca6bac273f1cd19
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 6.098584664750515, R2 Score - -7.782245917884392
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/009587bcdb0345bd8561bfe984ef9854
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 6.817859246689329
Test R2: -8.690146092586536
🏃 View run method-mini-batch-lr-0.0001-weight init mode-xavier-use momentum-False-reg-Polynomial at: http://localhost:5000/#/experiments/176410324244826153/runs/
360939ae4c334de9924cda02181b1ae7
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Polynomial =====
Fold 0: MSE Score - 157.21368634540278, R2 Score - -227.98052410002254
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/e7cba2520a1840e3b61a8a8d7c8dbcd0
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 156.5948854788187, R2 Score - -215.50841693779688
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/31c380b0ebb644fb953156263e12bbff
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 157.60619476184243, R2 Score - -225.9602599076332
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/d03a4e76624642a4815d3f42db3fb88c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 156.2697738270062
Test R2: -221.10445881153393
==== Polvnomial =====
Fold 0: MSE Score - 86.56324234380159, R2 Score - -125.07869620290579
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/7143f4d0a69546d3bbb8993842520ff0
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 85.8545853448659, R2 Score - -117.70272967747832
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/e3076803eb3a4834bb0e54e8e95b7a68
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 92.6582980716165, R2 Score - -132.43226416138614
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/2ac2b36e4f734043800343e9ea74b5a6
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 86.20099314937237
Test R2: -121.5164947999009
🏃 View run method-batch-lr-0.0001-weight init mode-zeros-use momentum-False-reg-Polynomial at: http://localhost:5000/#/experiments/176410324244826153/runs/00568e
2ae0134236820951eff8bac74e
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Polynomial =====
Fold 0: MSE Score - 157.4495992266823, R2 Score - -228.32412939580226
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/b88cc42b7124491bba2259ece8b933b7
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 156.48503171597662, R2 Score - -215.35653289500152
🏂 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/7ca6d39e8cd74d54a1a117fec520ad8c
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View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 158.03055735654723, R2 Score - -226.57136180584743
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/ea504919a81647728ebc6df92142f958
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 156.35802182886738
Test R2: -221.22988469662084
==== Polynomial =====
Fold 0: MSE Score - 86.95977486141163, R2 Score - -125.6562427627235
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/171b129d729e4279857eaa2fc66be799
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 85.5579897057628, R2 Score - -117.29265592509161
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/357d18bdda5f47ec896ba71e00fa9ae3
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 92.95011075753385, R2 Score - -132.85248801832415
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/9dd5c9ebb4bc42c5b03af0983b87f363
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 86.54742487232987
Test R2: -122.00887428224279
🏃 View run method-batch-lr-0.0001-weight init mode-xavier-use momentum-False-reg-Polynomial at: http://localhost:5000/#/experiments/176410324244826153/runs/10cef
8badd6a460b93ddb687c5486084
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Ridge =====
Fold 0: MSE Score - 14.113016641585792, R2 Score - -19.555500111629772
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/06b804b0c8db4ab583d0e86728cc6272
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.215936092266324, R2 Score - -15.889778849818349
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/d1ee9673aee14509be6b3b7e662ace30
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 12.971407927213, R2 Score - -17.679431471439585
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/425c18c060c7418eaee312e4a585ca68
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 13.054879954180631
Test R2: -17.55475295102615
==== Ridge =====
Fold 0: MSE Score - 13.607641013645384, R2 Score - -18.819424399373208
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/e6a4f3f14cdb414d9f53a92b333109e7
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 13.429994580201711, R2 Score - -17.568338660306797
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/3f0e18031f274659ba02cdb2050e19de
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 13.631447639932995, R2 Score - -18.629919394675444
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/0b60cf84ce99490d9c8a75d1c3829bf7
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 13.746198988535864
Test R2: -18.53731686106008
🏂 View run method-stochastic-lr-0.01-weight init mode-zeros-use momentum-False-reg-Ridge at: http://localhost:5000/#/experiments/176410324244826153/runs/0a98a5ee
2d6d448383f404a4f656440d
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Ridge =====
Fold 0: MSE Score - 14.111396652483748, R2 Score - -19.55314060997158
🏂 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/80edec02cc76483e99a9c27b40100166
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View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.272172629629262, R2 Score - -15.967531604266767
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/27e22d8fb47b45509a0095df93055e50
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 12.745486088972807, R2 Score - -17.354093503580607
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/53830c9cc4f04450b61d2b2bd51f17a1
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 12.85207518403731
Test R2: -17.266508829249
==== Ridge =====
Fold 0: MSE Score - 14.384701693430216, R2 Score - -19.95120729850153
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/522039a4679f435f90fe5d7215439e0c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 13.110027959295403, R2 Score - -17.125952139485648
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/3a39e0b966a04c1ea36d577a55eca04d
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 13.598222946983757, R2 Score - -18.58207428961149
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/92ceabfef5f74084af73b555f4ec40ee
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 13.64368859650897
Test R2: -18.391620002441112
🏃 View run method-stochastic-lr-0.01-weight init mode-xavier-use momentum-False-reg-Ridge at: http://localhost:5000/#/experiments/176410324244826153/runs/8f40225
76d954d858951f813d6063bcf
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Ridge =====
Fold 0: MSE Score - 14.171662432434436, R2 Score - -19.64091725460853
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/81b200237b3d4dc3803c6665a522df40
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.22422137659881, R2 Score - -15.901234101305146
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/b5fdea131ab9461d8975ab4605808114
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 12.876995946190506, R2 Score - -17.543473822162927
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/a35ffc8b9e70422da34fc624264b5fbd
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 13.005485553543904
Test R2: -17.4845492491005
==== Ridge =====
Fold 0: MSE Score - 14.072636364175214, R2 Score - -19.49668654838526
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/abdc55700ab944e58852a6e3b0d8ab37
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.2226507376324, R2 Score - -15.899062532577606
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/f1b4424b7d154e729da5c3a100bedaa3
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 12.833279825791353, R2 Score - -17.480520573003282
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/f17be29c07214954a4273b4c8c074bfe
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 12.922236358000886
Test R2: -17.36622811079101
🏃 View run method-mini-batch-lr-0.01-weight init mode-zeros-use momentum-False-reg-Ridge at: http://localhost:5000/#/experiments/176410324244826153/runs/16befc11
561e4b4badfc8383700b191a
View experiment at: http://localhost:5000/#/experiments/176410324244826153
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==== Ridge =====
Fold 0: MSE Score - 14.163123344118548, R2 Score - -19.628480138201166
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/7250aa7499304341884ed7b87b9c5441
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.213282361832492, R2 Score - -15.886109796557434
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/ba0aa23c3401409dad6905e6c7486c2b
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 12.936033952856835, R2 Score - -17.628491301061302
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/75ac1976ac7d4495b858d0ddfeaefd7c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 13.092792919844763
Test R2: -17.60863821952404
===== Ridge =====
Fold 0: MSE Score - 14.09180133638207, R2 Score - -19.52460018289318
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/1004bfaf9faa40dbaba1190bf02abfb3
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.187242439143008, R2 Score - -15.850106944858645
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/e0d89d12d274446aba61eded1dcdb6b0
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 12.808747352969132, R2 Score - -17.44519266970404
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/59db3e670a3643e181c699379657ba56
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 12.905953847175912
Test R2: -17.343085962656353
🏂 View run method-mini-batch-lr-0.01-weight_init_mode-xavier-use_momentum-False-reg-Ridge at: http://localhost:5000/#/experiments/176410324244826153/runs/6729fb3
36113436d9b2942a2dfa66b0e
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Ridge =====
Fold 0: MSE Score - 44.315479626453, R2 Score - -63.5451549829765
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/53339366389448658e5c23351e3da7a2
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 43.10507471229333, R2 Score - -58.5971666597402
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/f5eea2c2707941e09becd790c30e941b
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 43.24324034215473, R2 Score - -61.27227985634893
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/6bef85d4c2434305ac10c34efcc650cc
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 43.213333153036345
Test R2: -60.41862075018229
===== Ridge =====
Fold 0: MSE Score - 14.281118434818076, R2 Score - -19.80033907960559
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/381c0ed34a1c498297abbcc5dd898ede
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.412266647403928, R2 Score - -16.161225886925518
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/351bc49f0a4f4f068e3daaffb3b3511d
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 12.965558862781911, R2 Score - -17.671008546277907
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/7e4ca0bdf8a5463893f16ca340ac7ce7
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 13.132117313533287
Test R2: -17.664529534679776
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🏃 View run method-batch-lr-0.01-weight init mode-zeros-use momentum-False-reg-Ridge at: http://localhost:5000/#/experiments/176410324244826153/runs/42169cf114284
5f29caccd8bb91be2bd
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Ridge =====
Fold 0: MSE Score - 44.285890122694425, R2 Score - -63.50205809850034
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/e2cff8f6ae5844ebacda8ed5087d273a
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 43.0722432636341, R2 Score - -58.55177382999836
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/bfa84a091b18460cbb7981b07b0029cc
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 43.32411288419807, R2 Score - -61.388740082987134
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/fce160de22164a6ab5b5c0f7180f7acf
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 43.29037000517846
Test R2: -60.528112355209565
==== Ridge =====
Fold 0: MSE Score - 14.280657295230432, R2 Score - -19.799667433345544
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/8bdf6bd508c845848bb5e2a57d333abd
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.410050059372143, R2 Score - -16.158161227666064
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/a3e7c412d7bd4f728bb6cc200b501392
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 12.965859656797354, R2 Score - -17.671441703667604
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/ea4c984e224a40ac8b9ce216c564db88
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 13.131847396843492
Test R2: -17.66414590514706
🏃 View run method-batch-lr-0.01-weight init mode-xavier-use momentum-False-reg-Ridge at: http://localhost:5000/#/experiments/176410324244826153/runs/78099db576d6
4211a0c6c09b4f97f9bd
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Ridge =====
Fold 0: MSE Score - 14.085205750577751, R2 Score - -19.51499376293492
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/16e4e3bcf00742dd83b636e8c72d0cb2
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.215655882978538, R2 Score - -15.889391431869644
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/6238df55232c49edb945e0b5708095a6
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 12.802756639715268, R2 Score - -17.43656576364122
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/12822eb712fd4e869c260ac96661b928
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 12.899630302834998
Test R2: -17.33409838073815
==== Ridge =====
Fold 0: MSE Score - 14.30532565479075, R2 Score - -19.835596709174613
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/1f560b17ef4642f48cbf4b275004bbe7
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.314267448486845, R2 Score - -16.025731989063953
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/1286a1fdadd54925a60ba49d5164fe0a
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 12.736361243240266, R2 Score - -17.340953300797306
🏂 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/a1face04e92d453082980e8ae89a24b2
```

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View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 12.852827282760261
Test R2: -17.267577778641723
🏃 View run method-stochastic-lr-0.001-weight init mode-zeros-use momentum-False-reg-Ridge at: http://localhost:5000/#/experiments/176410324244826153/runs/37a6802
9cd8748329e724acbde960bce
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Ridge =====
Fold 0: MSE Score - 14.101957216382386, R2 Score - -19.539392143944585
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/ab002781967e442b9357ed41f607cbc6
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.220687596736777, R2 Score - -15.896348289859926
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/4631e9a8a6514955a354128d04d23f93

√ View experiment at: http://localhost:5000/#/experiments/176410324244826153

Fold 2: MSE Score - 12.797224406181833, R2 Score - -17.42859908972643
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/a275f34a36c449478381d91190d54a97
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 12.892287488527009
Test R2: -17.323662121965324
==== Ridge =====
Fold 0: MSE Score - 14.103660742808382, R2 Score - -19.54187331707213
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/6d223b3e2862417c941b3653803611f8
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.097850584463657, R2 Score - -15.726513579184019
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/956ef308d2cd4ca9823cbf25ffa98148
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 13.160200474166635, R2 Score - -17.951301530798414
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/05171dbbf6b44468afe8961b8f633a16
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 13.25277518704203
Test R2: -17.836019203095603
🏃 View run method-stochastic-lr-0.001-weight init mode-xavier-use momentum-False-reg-Ridge at: http://localhost:5000/#/experiments/176410324244826153/runs/6f7139
dde2b245288b6b53a6a0a8296e
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Ridge =====
Fold 0: MSE Score - 14.782535682655267, R2 Score - -20.530649441709176
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/ab5acc074e7c4281a1fc0222140bbcbb
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.5758773869154, R2 Score - -16.387434438356415
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/75431fca8e4c40499c7e6d3bac087704
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 13.385991899347035, R2 Score - -18.276451697778178
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/6af841dcedc54712a752df6b435deac0
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 13.587061981907874
Test R2: -18.311137236757784
===== Ridge =====
Fold 0: MSE Score - 14.123570787091403, R2 Score - -19.57087214332422
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/c46ee8999a34420cb1cc3faf3641742e
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.25740254507839, R2 Score - -15.947110454403742
🏂 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/535bc9c33a77430c8be45c8bc2fc7d50
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View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 12.873591489009822, R2 Score - -17.538571245283
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/0b9d5b2c6fda44a9938eb4e377f81852
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 13.004578996826622
Test R2: -17.483260770310626
🏃 View run method-mini-batch-lr-0.001-weight init mode-zeros-use momentum-False-reg-Ridge at: http://localhost:5000/#/experiments/176410324244826153/runs/e905dbd
e9b4b4ddeb2babfc9f25515a9
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Ridge =====
Fold 0: MSE Score - 14.491126547047006, R2 Score - -20.1062142786502
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/73ec02570e1d4e1c81b3a12c64450da5
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.747823268522783, R2 Score - -16.62516717472234
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/facc29447d484ac9a83f3e06d79f8369
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 13.353593800031367, R2 Score - -18.229796926039615
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/1946c9b58b09403da57af6c119407e8c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 13.55241225323397
Test R2: -18.261889970017616
==== Ridge =====
Fold 0: MSE Score - 14.120897544802649, R2 Score - -19.566978586506398
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/c5a4608cd28543fa99608fd9a9fac538
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.256733595474937, R2 Score - -15.946185563279666
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/695062c9517e45f69bee6976c447099e
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 12.834240383767415, R2 Score - -17.481903821220353
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/6e286ec252894443896286f7b40e32db
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 12.944425257009206
Test R2: -17.39776494152401
🏃 View run method-mini-batch-lr-0.001-weight_init_mode-xavier-use_momentum-False-reg-Ridge at: http://localhost:5000/#/experiments/176410324244826153/runs/63fa75
bd91ed42acaa6d110469b44979
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Ridge =====
Fold 0: MSE Score - 143.76773348088832, R2 Score - -208.39659724535687
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/bfde29fbfdf44a8eaeac0d4e16e60e1c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 143.33336099560745, R2 Score - -197.17300538675826
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/8da2fb4498c34035a4c5f06d4d8deb81
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 143.47281798046816, R2 Score - -205.6075391753018
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/933cb9bb12c04ab59438f611688b967f
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 143.1924762691864
Test R2: -202.51784397447446
==== Ridge =====
Fold 0: MSE Score - 44.3439308662278, R2 Score - -63.586593994721426
🏂 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/09c16600a8284a6bb323ce421d1f198f
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View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 42.82373368287274, R2 Score - -58.20818396267925
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/19b7d545dfdb4502985c44337029a323
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 42.96218402866845, R2 Score - -60.8675456766175
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/5f196a446aeb44839e784d6f5a715ef2
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 42.93281246638791
Test R2: -60.019919876893354
🏃 View run method-batch-lr-0.001-weight init mode-zeros-use momentum-False-reg-Ridge at: http://localhost:5000/#/experiments/176410324244826153/runs/bf58da7c6dff
469b9c4078692cef9092
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Ridge =====
Fold 0: MSE Score - 143.7415045143409, R2 Score - -208.358394957463
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/0afe60f1260040cb9d8b2bc6241b337c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 142.91555778059669, R2 Score - -196.59534978583036
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/6a1be33f0cf043dbb008d10b6d0a26fd
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 143.26481418827186, R2 Score - -205.30800402815873
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/a8e7e78fbb654b1996ed8e161deff576
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 142.9914668542962
Test R2: -202.232151570775
==== Ridge =====
Fold 0: MSE Score - 44.33695775730309, R2 Score - -63.57643771524408
View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/6c1cce2286034d96919e60fd0887e13e
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 42.86959900183058, R2 Score - -58.27159744881928
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/aa17bbabcce44a38bc922d554400221f
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 43.02290485144233, R2 Score - -60.95498648907661
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/354ccbf91923480c9d19250b8c092b76
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 42.98271854685271
Test R2: -60.090850823560686
🏃 View run method-batch-lr-0.001-weight init mode-xavier-use momentum-False-reg-Ridge at: http://localhost:5000/#/experiments/176410324244826153/runs/242f2cd8e6a
d4b5d99ef3b97aea71358
View experiment at: http://localhost:5000/#/experiments/176410324244826153
===== Ridge =====
Fold 0: MSE Score - 14.224421821957456, R2 Score - -19.71776089936371
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/5fb1e8dd9a7f4a168338e4670d4c7d29
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.336579820982134, R2 Score - -16.05658112205007
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/263b6112de0d4931bfb1426afc830108
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 12.993491545506965, R2 Score - -17.71123291017918
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/285dd1b9540f46ad9898d63671c4a8ef
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 13.165821739347876
Test R2: -17.71243325317744
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==== Ridge =====
Fold 0: MSE Score - 14.142176730927957, R2 Score - -19.597971557313596
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/1fd50e2bd376433d83128c115e30ab0c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.228616137399225, R2 Score - -15.907310306800674
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/4231f343f2b94ab8a9e3895ac173c080
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 12.805619445057278, R2 Score - -17.440688336649657
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/3c561ce0bbcd405998e4ee959c1338bb
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 12.899365362422706
Test R2: -17.333721823932258
🏃 View run method-stochastic-lr-0.0001-weight init mode-zeros-use momentum-False-reg-Ridge at: http://localhost:5000/#/experiments/176410324244826153/runs/2c6249
66ba88427f885e592475b91e7d
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Ridge =====
Fold 0: MSE Score - 14.183333776557232, R2 Score - -19.657916477489916
🏂 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/a19d3810825e4648ba0e615cd9bab395
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.31684425752581, R2 Score - -16.029294690643074
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/f34f8c34640c43aab8ab346fb73cafa1
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 12.917901333160332, R2 Score - -17.602379484293294
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/2e412d184e6445a093cb0202eb6a3eab
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 13.068611483481908
Test R2: -17.574269418026933
==== Ridge =====
Fold 0: MSE Score - 14.10647425409915, R2 Score - -19.545971174611747
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/df4f7acfaa854a4b983d120e2c83220d
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.203588847321758, R2 Score - -15.872707523074073
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/c4f0eddc69f74f528c7857fb99a3ec84
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 12.81060669513369, R2 Score - -17.44787020900738
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/c3cc471cfadd4116b3858e607a188f83
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 12.907410235376735
Test R2: -17.345155910703514
🏃 View run method-stochastic-lr-0.0001-weight init mode-xavier-use momentum-False-reg-Ridge at: http://localhost:5000/#/experiments/176410324244826153/runs/176e7
00919e94534989bbbb10d85ce97
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Ridge =====
Fold 0: MSE Score - 58.1587180532221, R2 Score - -83.70772520118864
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/e5f0eaf377de4d65b5e3867b57ba2f39
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 56.75957517239593, R2 Score - -77.47590762023671
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/d3f70c1e0c1f401597d9f4f799bb244c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 56.872725991168515, R2 Score - -80.89937389273416
🏂 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/a899a0002ccd4e33ad7ddf211d5880f9
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View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 56.77684034803555
Test R2: -79.6962798352115
===== Ridge =====
Fold 0: MSE Score - 14.42999754994835, R2 Score - -20.01718036488135
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/33833e62983840f6bf8ba3a7ce8b892a
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.576712544312239, R2 Score - -16.38858912872405
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/71f479e234644755a684854466999b4e
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 13.105493085896402, R2 Score - -17.872520344059897
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/c69c8f5583a342e6ba3e28301f0a9fc5
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 13.294886235192767
Test R2: -17.895871158662263
🏃 View run method-mini-batch-lr-0.0001-weight init mode-zeros-use momentum-False-reg-Ridge at: http://localhost:5000/#/experiments/176410324244826153/runs/63d39a
e8cf3045fc8fafaa47aaec50c1
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Ridge =====
Fold 0: MSE Score - 58.29853696388867, R2 Score - -83.91137036839874
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/42e08a29179f4b2491b8e809b8a26f19
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 56.79921247169599, R2 Score - -77.53071023334188
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/973f9a64b933424a997eafce1aff1540
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 56.80556917740499, R2 Score - -80.80266495353688
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/d01f6ec5d19d4c599ffc95fe58c04a77
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 56.72280664309943
Test R2: -79.61948234265414
==== Ridge =====
Fold 0: MSE Score - 14.43109873420358, R2 Score - -20.01878423127336
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/8b0cf28ff3d54a53b6a137ca1c464c18
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 12.574226330022498, R2 Score - -16.385151683635126
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/9c45c96160b44d53bf4deb62f3936f29
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 13.106544468359793, R2 Score - -17.87403438376826
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/9736457cd2bb440c9e64ac6877f55c80
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 13.29674255356916
Test R2: -17.898509522936262
🏃 View run method-mini-batch-lr-0.0001-weight init mode-xavier-use momentum-False-reg-Ridge at: http://localhost:5000/#/experiments/176410324244826153/runs/ffeba
15811d5476790d3a27f5de46d11
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Ridge =====
Fold 0: MSE Score - 166.8515711463175, R2 Score - -242.018029130472
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/1d693c24601b4e54b4eea93dab6f4204
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 166.2093895768333, R2 Score - -228.8014504588991
🏂 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/b5614987fa6e437a80d9f40184be3452
```

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View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 166.36546324207765, R2 Score - -238.57401442330428
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/295e29865a2a4d999a9f731853102646
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 166.07553696578807
Test R2: -235.04127884932464
===== Ridge =====
Fold 0: MSE Score - 144.1399791106378, R2 Score - -208.93877013994003
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/d8bfd6cce5914eaeb2882e7c41d39b05
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 143.33034694236423, R2 Score - -197.16883815042573
View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/8ff57416c8df48639fc28cf1f59ee780
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 143.4702546369486, R2 Score - -205.6038478412631
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/fada3b54586b4bcb9bc07c4cf2513ad7
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 143.19021454217656
Test R2: -202.51462940750355
🏃 View run method-batch-lr-0.0001-weight init mode-zeros-use momentum-False-reg-Ridge at: http://localhost:5000/#/experiments/176410324244826153/runs/38c7d2afe6f
8482da7410f5a5e844e98
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Ridge =====
Fold 0: MSE Score - 166.94276452382317, R2 Score - -242.15085158290037
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/a26de6ae6f174f559d48e741d2650c43
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 165.67858263033912, R2 Score - -228.067555661929
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/2237589285f0423daa01217611aa3bd7
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 166.35252764283965, R2 Score - -238.55538655801286
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/2c4e55d76e2d49b19ff2dca538e46054
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 166.061681423633
Test R2: -235.02158612425995
==== Ridge =====
Fold 0: MSE Score - 144.16532779492414, R2 Score - -208.97569030349618
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/388272b9af404ef396e2ea0a7bbec2d5
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 143.5848047730252, R2 Score - -197.52065208052554
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/e3b750a806d64de2bcb7dfed73036f79
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 143.51237607977998, R2 Score - -205.66450468046378
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/947ad6cc11e14f96920820ed870ffeb3
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 143.24137441462008
Test R2: -202.58734235450325
🏂 View run method-batch-lr-0.0001-weight init mode-xavier-use momentum-False-reg-Ridge at: http://localhost:5000/#/experiments/176410324244826153/runs/778618a92c
d14c028216f4cf04833279
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Lasso =====
Fold 0: MSE Score - 11.61873075793637, R2 Score - -15.922591920427415
🏂 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/a80cf477ef0e4553a4f90fc8cad98301
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View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.865948527383186, R2 Score - -12.640681116258099
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/61a3019147b3477f955038d6737eb46d
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.44240999289209, R2 Score - -14.037556674914734
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/408ca3e14b0d40c9b0bb1eca10cf4df8
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.165793492038489
Test R2: -13.448527099287467
==== Lasso =====
Fold 0: MSE Score - 11.837969484463226, R2 Score - -16.241911438149597
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/6654688f384540d787975f2e91d75821
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 10.276299408711992, R2 Score - -13.208033105014762
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/5d27d0887b73455995a27e3cc8a565c9
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.533147512257427, R2 Score - -14.168222928291703
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/9aa49acf57d6432d8da587870150b025
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.210215689815513
Test R2: -13.511663865629801
🏃 View run method-stochastic-lr-0.01-weight init mode-zeros-use momentum-False-reg-Lasso at: http://localhost:5000/#/experiments/176410324244826153/runs/0a6c32cc
7e5c4e23a511ae464afdbe03
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Lasso =====
Fold 0: MSE Score - 11.58341666269856, R2 Score - -15.871157212523507
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/69f548104ef44ae08aa83ba274c4d588
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.857426633889386, R2 Score - -12.628898728448858
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/cbb67e6a5601479593b0f11aaa25ec91
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.49195680355924, R2 Score - -14.108906389585552
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/80712ad46f2442fd8d3ce9bbe6ed69ab
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.217400677748268
Test R2: -13.521875807563873
==== Lasso =====
Fold 0: MSE Score - 11.831160474110451, R2 Score - -16.231994166979227
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/814a77abf5ac4e3e90cfe7bf7a706b60
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.939092426885747, R2 Score - -12.741810025044197
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/f93c26b8cd144e3589da157924ae08d5
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 11.10821287153746, R2 Score - -14.9963438254639
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/885c85a43c4e42c8ad3100bcf7c82fe8
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.656105095225593
Test R2: -14.145401425063625
🏃 View run method-stochastic-lr-0.01-weight init mode-xavier-use momentum-False-reg-Lasso at: http://localhost:5000/#/experiments/176410324244826153/runs/05d1007
93179430d9042974e379659b4
View experiment at: http://localhost:5000/#/experiments/176410324244826153
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==== Lasso =====
Fold 0: MSE Score - 12.334510681225144, R2 Score - -16.96511986939265
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/96fb4137cc3b41baa7e95eadf4829bea
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 10.32503352801323, R2 Score - -13.275413000523521
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/7d9c574d1c1c492294fda8143c907bd2
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.788733405113659, R2 Score - -14.536278516202
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/852ec1ffbc844f5da627fa8a7a773488
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.83209822716331
Test R2: -14.395538469268
==== Lasso =====
Fold 0: MSE Score - 11.66090122550106, R2 Score - -15.98401288185243
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/cfad59a18eca42c99588dbef45ba9fb8
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.88329052088129, R2 Score - -12.664658192823145
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/85349aa4fc6c47bb8654cdeac9c80b26
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.52167594581419, R2 Score - -14.151703338402237
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/74d0d16902a049dfa10c6eaab49542f2
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.27886874667563
Test R2: -13.60923967742149
🏂 View run method-mini-batch-lr-0.01-weight_init_mode-zeros-use_momentum-False-reg-Lasso at: http://localhost:5000/#/experiments/176410324244826153/runs/138a2b4c
4fe143ec98af5130fcdb5d16
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Lasso =====
Fold 0: MSE Score - 12.177828251149972, R2 Score - -16.73691311596118
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/1de31495e57e4be692b8d2c85c138517
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 10.129530753587481, R2 Score - -13.005110454763868
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/112bcef4266a4de897e3fc3cf99bfb89
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 11.058503547245593, R2 Score - -14.924760083605506
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/2b96f0f1f74c4f31ac71343d5bcd4f91
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 11.261199520035493
Test R2: -15.00541527458168
==== Lasso =====
Fold 0: MSE Score - 11.689929073098243, R2 Score - -16.02629171845254
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/5747bbe2765d42e1bb24359f3cbbbedd
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.917126846504123, R2 Score - -12.711440367561428
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/e5bebbca67454aa080daaf25f8d663b4
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.579041511253246, R2 Score - -14.234312424050618
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/f763f021749247afa5a97a0c0cfe01aa
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.393411123153838
Test R2: -13.772037459203926
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🏂 View run method-mini-batch-lr-0.01-weight init mode-xavier-use momentum-False-reg-Lasso at: http://localhost:5000/#/experiments/176410324244826153/runs/e09332e
f2ed34f73ac60138e736eec10
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Lasso =====
Fold 0: MSE Score - 42.17213477260757, R2 Score - -60.423389700516644
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/a082050a9e734b868b0ac2aab058cbba
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 40.95548966991787, R2 Score - -55.625145873909176
🏂 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/b70f368fa9814b3b919dc752bdc665f6
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 41.08320851678587, R2 Score - -58.16173343883485
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/2f6ad4853e7e46c6969ef862d01579d6
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 41.07998301325728
Test R2: -57.38651436999596
==== Lasso =====
Fold 0: MSE Score - 12.38775667200658, R2 Score - -17.042672245135382
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/cb358d47bc3f48c8bea2d1f2d31cecf0
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 10.438570574265611, R2 Score - -13.432389558683344
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/24414b474a684785bb7ae816d1d20bf2
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 11.023371253709028, R2 Score - -14.87416794486211
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/307b7dbe59f246e38c1fcecd6fa608fa
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 11.216489339998079
Test R2: -14.941869202315846
🏃 View run method-batch-lr-0.01-weight init mode-zeros-use momentum-False-reg-Lasso at: http://localhost:5000/#/experiments/176410324244826153/runs/a503fc9c9a334
ea89677d3183291d37e
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Lasso =====
Fold 0: MSE Score - 42.21663104865622, R2 Score - -60.488198184096966
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/f364edac696a473790005ca9b6344df6
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 40.9965158067574, R2 Score - -55.6818686967079
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/37a144dc9a2d48498c074ff05f38a1ba
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 41.04538880119657, R2 Score - -58.107271287186876
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/03d91342b3774b8b8a0f7923d47a7e52
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 41.040224778592005
Test R2: -57.33000644157592
==== Lasso =====
Fold 0: MSE Score - 12.388418789003106, R2 Score - -17.043636613444555
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/606d1afd4cd64113a6c40ab2b381e69c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 10.437329431812978, R2 Score - -13.430673552526487
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/4a9b0a3636ca44ff9422b4538deae214
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 11.020891096880042, R2 Score - -14.870596403531716
🏂 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/281a77f972424eafaf70955153735d53
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View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 11.211959224393233
Test R2: -14.935430600338462
🏃 View run method-batch-lr-0.01-weight init mode-xavier-use momentum-False-reg-Lasso at: http://localhost:5000/#/experiments/176410324244826153/runs/ff6eb50fce49
41b3a19d3a9133d667c6
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Lasso =====
Fold 0: MSE Score - 11.837767656734142, R2 Score - -16.241617477615637
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/246a3c2753844306a107ddb24c0ac237
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.968094722818035, R2 Score - -12.781908660198605
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/e9eaedba42d34b27b97d51f0759a431c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.546713788257641, R2 Score - -14.187758997490251
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/7230cc6b4c3948f796bcd54a54df49de
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.341856235236849
Test R2: -13.698763081187815
==== Lasso =====
Fold 0: MSE Score - 11.608145643447498, R2 Score - -15.90717478264721
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/a41bbe54f1c94e86b5f1ab5149704730
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.881780660177608, R2 Score - -12.662570656249065
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/e4bf6b9b441c4cfbb7c5d391eef7972e
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.413007371765055, R2 Score - -13.995215531262089
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/22a21d149cdf46c8a69a814c6e950d77
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.13536470568535
Test R2: -13.405279010039337
🏃 View run method-stochastic-lr-0.001-weight init mode-zeros-use momentum-False-reg-Lasso at: http://localhost:5000/#/experiments/176410324244826153/runs/8d9bdd5
5612d4caf9cfae360c30b884c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Lasso =====
Fold 0: MSE Score - 11.846147953271034, R2 Score - -16.253823315019105
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/85b22f52bada468485700b39d349aa65
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.95351103260675, R2 Score - -12.761745219540233
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/beac05929d6844028c35513d79ed378d
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.575804996907761, R2 Score - -14.22965169267419
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/79582f521543447595ea1cc6d9d9bb91
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.40674655060944
Test R2: -13.790990951139774
==== Lasso =====
Fold 0: MSE Score - 11.559862198261303, R2 Score - -15.836850316367606
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/e349fdf3540b446b9096d266f80ab28a
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.869082893613747, R2 Score - -12.645014697579144
🏂 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/6d105d03945545b684592849c22d91d2
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View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.460583997857796, R2 Score - -14.063728088397637
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/d56e2daaaa6e476bab5f5e84f33f6169
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.175355235688693
Test R2: -13.462117097191184
🏃 View run method-stochastic-lr-0.001-weight init mode-xavier-use momentum-False-reg-Lasso at: http://localhost:5000/#/experiments/176410324244826153/runs/ca67e0
fee05f4ddeb9705b3ca9e15302
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Lasso =====
Fold 0: MSE Score - 12.54863737399262, R2 Score - -17.276993749291243
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/3de4ef61dcfe4661a456139dd457e310
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 10.600199924999313, R2 Score - -13.655858637836449
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/3e57f0e211754463a0f09fec8a9e2772
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 11.178388765266961, R2 Score - -15.097400380405567
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/6ce753af6d7b4299bcc4287dea7dff73
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 11.411596994991259
Test R2: -15.219173501547889
==== Lasso =====
Fold 0: MSE Score - 11.757259080032965, R2 Score - -16.124357355318903
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/e9807ca3826e4cbb956398ab70e83470
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.945498811450863, R2 Score - -12.750667505773832
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/a4625fe6dfae4ddc85c7cfe44ffa6616
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.529570587035435, R2 Score - -14.163071989400752
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/97b8dcbcccec4742b304368aef021a22
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.303257790890617
Test R2: -13.643903549606375
🏃 View run method-mini-batch-lr-0.001-weight_init_mode-zeros-use_momentum-False-reg-Lasso at: http://localhost:5000/#/experiments/176410324244826153/runs/37b36ff
8dd1b4a22b59c7fb86fd2b709
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Lasso =====
Fold 0: MSE Score - 12.551606006202709, R2 Score - -17.281317539255898
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/af9c8fbd79fe4fee9dae5eda582d6c20
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 10.599856588357362, R2 Score - -13.65538393987554
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/c856998da34941e48d10d046a852bcad
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 11.17661227141386, R2 Score - -15.09484214652883
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/afb26b9d11634cb2b7163b39e7e75ee2
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 11.409246852935734
Test R2: -15.215833271274374
==== Lasso =====
Fold 0: MSE Score - 11.769789899910363, R2 Score - -16.142608398021544
🏂 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/31ea337cf0814e63a1fdac266c2dd696
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View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.951161364170108, R2 Score - -12.758496563034047
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/a6dbc4557b5e49ab8e49b74d763264ba
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.527414147731523, R2 Score - -14.159966616381432
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/056420e02cd34604bfaf388665eb211a
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.299770102343105
Test R2: -13.638946537393597
🏃 View run method-mini-batch-lr-0.001-weight init mode-xavier-use momentum-False-reg-Lasso at: http://localhost:5000/#/experiments/176410324244826153/runs/2de6ce
ecba354fea9dbfc9a32c4d1568
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Lasso =====
Fold 0: MSE Score - 143.94118303922153, R2 Score - -208.64922519204086
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/9c0d589c268242fc83f57968e6243c2f
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 143.50899979549004, R2 Score - -197.41584395967308
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/03f16bff6d714443a8890ec00ffc37df
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 143.64564641896374, R2 Score - -205.85642017505984
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/49164d5ca53a443a84e736556fc9527a
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 143.3680500723964
Test R2: -202.76738503150963
==== Lasso =====
Fold 0: MSE Score - 42.284092215627616, R2 Score - -60.58645485454722
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/ac10022a08474b698a4ed1ba7dd1746d
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 40.71529402439785, R2 Score - -55.29305087088352
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/ffbce7f0e32a45be981ec13bf64fef36
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 40.84237969767494, R2 Score - -57.81492872432945
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/1d52252db65d45f2950df5b4cc09e357
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 40.83915251590313
Test R2: -57.04422471301233
🏃 View run method-batch-lr-0.001-weight init mode-zeros-use momentum-False-reg-Lasso at: http://localhost:5000/#/experiments/176410324244826153/runs/c19e52a0db0f
4ab6a1153aee145fa977
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Lasso =====
Fold 0: MSE Score - 144.33108259754246, R2 Score - -209.21711089770736
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/ba85200fe85548cb9a01cc7747d829ed
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 143.91305746901932, R2 Score - -197.97449494613343
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/a8e834d07661425ea3bad12c66f81d8f
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 143.38975260473728, R2 Score - -205.48792116603707
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/73b7d36d5c984a8abc1b878fd7696b7e
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 143.11285433076154
Test R2: -202.40467821560574
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===== lasso =====
Fold 0: MSE Score - 42.21846579914656, R2 Score - -60.49087048406421
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/bf6b52feb8474016bc0b9aa306db6380
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 40.63344695542342, R2 Score - -55.17988894174089
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/ab27024cdde74eeba0d99cbf4ff0fdec
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 40.80294281365105, R2 Score - -57.758137774826885
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/f75f6ca44fd34c11b5fb16a158057fe5
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 40.79009815095938
Test R2: -56.97450429996409
🏃 View run method-batch-lr-0.001-weight init mode-xavier-use momentum-False-reg-Lasso at: http://localhost:5000/#/experiments/176410324244826153/runs/174ba381589
4460f866b969d8248687c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Lasso =====
Fold 0: MSE Score - 11.921479321836069, R2 Score - -16.36354287351413
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/076349e734f54fd686ec32c6ede5f123
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 10.12006473347758, R2 Score - -12.992022715516002
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/c00eb2e09c43478b97b697a6607309fd
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.662284264932474, R2 Score - -14.354185865821188
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/d7197d64d93449479c45121b3e886290
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.59315719464384
Test R2: -14.055934287243934
==== Lasso =====
Fold 0: MSE Score - 11.660649020141037, R2 Score - -15.983645546686763
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/4a809cdfc9734bb9ae65ac5894380195
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 10.05635546758586, R2 Score - -12.903938150938373
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/bd5b59b8fe6845efa23deb9a1f211ad3
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.525296638240397, R2 Score - -14.15691730410542
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/35b3757a76e74fe4a692e48b7b47869b
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.297314107240034
Test R2: -13.635455859383049
🏃 View run method-stochastic-lr-0.0001-weight init mode-zeros-use momentum-False-reg-Lasso at: http://localhost:5000/#/experiments/176410324244826153/runs/1d67ff
d1a7ab46e8989fa29186701047
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Lasso =====
Fold 0: MSE Score - 11.984650102281343, R2 Score - -16.455550629011874
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/36a897f82a824c6397d9d350ac1d4c10
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 10.115038668265056, R2 Score - -12.985073667216867
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/ff2e873290af41d2bd43135e27c320be
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.664653904215266, R2 Score - -14.35759825673845
🏂 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/c60968a043fd4571b056bf0f0ed5aa85
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View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.599361391155885
Test R2: -14.064752241445323
==== Lasso =====
Fold 0: MSE Score - 11.804427491579998, R2 Score - -16.193057783685404
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/f07d800bee284a45b4a23d597fbecd1e
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.954386722411098, R2 Score - -12.762955950099458
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/7d25f68093ed4b2eb9ddc28d609e3316
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.534952992337741, R2 Score - -14.170822903685469
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/4ea91ba204c049a987bec7d7f66b6b32
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.315854413068095
Test R2: -13.661806985971998
🏃 View run method-stochastic-lr-0.0001-weight init mode-xavier-use momentum-False-reg-Lasso at: http://localhost:5000/#/experiments/176410324244826153/runs/8c709
8a5ba754f768b886d98c914ede4
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Lasso =====
Fold 0: MSE Score - 56.700426554570775, R2 Score - -81.58373485776423
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/faafcbf4b84145ae89d8b2508e0af5ba
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 55.26635258761092, R2 Score - -75.4113749442235
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/e62685d4af6246518d3d5adfe1b6b1bb
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 55.36649215734805, R2 Score - -78.73032702930256
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/81e6ba6c58ba4ce7970db5bf56e8e49d
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 55.28991780699174
Test R2: -77.58293367628761
==== Lasso =====
Fold 0: MSE Score - 12.54895801799109, R2 Score - -17.277460764807042
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/584d8e1972d84e9fa9403d14f4e579c8
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 10.60027235295591, R2 Score - -13.655958776881073
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/34d74dfd61fc4eb28e3b175d69783485
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 11.178126039517958, R2 Score - -15.097022043092316
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/7bdd2eead8a9481b9ec182b34cf118b2
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 11.411385186737906
Test R2: -15.218872460877446
🏃 View run method-mini-batch-lr-0.0001-weight init mode-zeros-use momentum-False-reg-Lasso at: http://localhost:5000/#/experiments/176410324244826153/runs/0785b4
f278a24965bc80a3e698a4952f
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Lasso =====
Fold 0: MSE Score - 56.58608633917334, R2 Score - -81.417199214106
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/073efa6ce9244f5691abc1c58c1a4869
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 55.14749046201977, R2 Score - -75.24703592020676
🏂 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/58b7de696247467abda6053a8479c54b
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View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 55.334988693951935, R2 Score - -78.68496057494983
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/c723a8cd78cf4b2cb9702d927ded150f
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 55.2561062509043
Test R2: -77.53487769474707
==== Lasso =====
Fold 0: MSE Score - 12.547308810282175, R2 Score - -17.275058706472837
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/1cf6cce530894941a31774b06297f797
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 10.599781723588388, R2 Score - -13.655280431689015
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/781cec527d484eb986e2f7f41a9b9849
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 11.17785215216555, R2 Score - -15.096627632550383
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/9abfe89352ac4e599ce0fd4d00a6669e
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 11.412072969431442
Test R2: -15.219849998626344
🏃 View run method-mini-batch-lr-0.0001-weight init mode-xavier-use momentum-False-reg-Lasso at: http://localhost:5000/#/experiments/176410324244826153/runs/ca1d7
c6a5cc248d0992955e06cc0cf5e
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Lasso =====
Fold 0: MSE Score - 166.8836358156187, R2 Score - -242.06473107450984
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/eaa54f75c634443a8e7388493e4e3ed7
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 166.24107272667624, R2 Score - -228.84525564829036
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/11f94d2cca094ea0a3239a8d8d39d463
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 166.39686100500072, R2 Score - -238.61922866405357
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/44eff5e9c3094bf0be4a4566dc53c774
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 166.10723901089963
Test R2: -235.08633660681855
==== Lasso =====
Fold 0: MSE Score - 144.31675368158213, R2 Score - -209.19624094189973
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/6f9f2a1450f14db1ab8b311fdc5aedb1
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 143.50632863895837, R2 Score - -197.41215081305276
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/76ef09950b5743569150fdc9ed303814
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 143.6435344548839, R2 Score - -205.85337884843432
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/afe473550b554aeb83945108eb98f496
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 143.36620268783295
Test R2: -202.7647593647628
🏂 View run method-batch-lr-0.0001-weight init mode-zeros-use momentum-False-reg-Lasso at: http://localhost:5000/#/experiments/176410324244826153/runs/81aa4fd4ddb
44725aad5ec6733e34bef
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== Lasso =====
Fold 0: MSE Score - 167.12182022142292, R2 Score - -242.41164482827602
🏂 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/4c25414497f64f9d9fc9a043c383e4d5
```

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View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 165.38997299678476, R2 Score - -227.66852337755526
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/d02141ee4bfa4de7a580c3d299b7478f
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 166.75302919537097, R2 Score - -239.1321274443294
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/e8fa47be494b4941bd638bab6820d4e8
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 166.48146935738436
Test R2: -235.61822595778702
==== Lasso =====
Fold 0: MSE Score - 144.47873248761366, R2 Score - -209.43216182614586
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/ec7cfe29cf7846e7963870752a44d6a2
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 143.41349013921092, R2 Score - -197.28379210868164
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/29050eca7a304c50a14510bb1b6a510b
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 143.45211005264173, R2 Score - -205.57771879489903
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/81e1746e15444af3b8f79eba7b8b9a2a
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 143.18007354406268
Test R2: -202.50021612179427
🏃 View run method-batch-lr-0.0001-weight init mode-xavier-use momentum-False-reg-Lasso at: http://localhost:5000/#/experiments/176410324244826153/runs/d2eb63cadd
9d4a03b89c72bed6cb5104
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== LinearRegression =====
Fold 0: MSE Score - 10.952523012482237, R2 Score - -14.952265466924958
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/f4e1dec66a5d47d9a7d134006a13c602
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.17763738441403, R2 Score - -11.689020687060653
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/724d7c1b162f4cdebd72494e92d8fe97
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.1900121278751, R2 Score - -13.674091995553939
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/3df450ad67e640309c537b329a20930a
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 9.91802471813955
Test R2: -13.096376148469936
==== LinearRegression =====
Fold 0: MSE Score - 11.337163012002877, R2 Score - -15.512490665681288
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/df53a7d7960049c6a75a4f77fb2b125a
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.535916674663678, R2 Score - -12.184378384831957
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/052617ed777548549b8bd2d31aacf654
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 11.287450970417398, R2 Score - -15.254455034662318
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/ffcd15db8fca4a02829e93c49d1e67dc
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.82689183695643
Test R2: -14.388138685861765
🏃 View run method-stochastic-lr-0.01-weight init mode-zeros-use momentum-False-reg-LinearRegression at: http://localhost:5000/#/experiments/176410324244826153/ru
ns/00f139999f494391a2c91114e42911a2
View experiment at: http://localhost:5000/#/experiments/176410324244826153
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==== LinearRegression =====
Fold 0: MSE Score - 11.224612168998837, R2 Score - -15.348561229141374
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/10cdc3745d5843919d1a7729ee83d332
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.198256203894616, R2 Score - -11.71752831009839
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/234013fb6e7a45c2924ce46123ed8eb3
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.215032867538964, R2 Score - -13.710123025842902
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/9de7d2f258d8413eae92a2c1502ce47a
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 9.901362793921736
Test R2: -13.072694744379255
==== LinearRegression =====
Fold 0: MSE Score - 11.07328170234459, R2 Score - -15.128149569238815
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/8dad7b7b26ba40d389d3b41395ef2103
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.42953663937559, R2 Score - -12.037297125034836
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/956cbae1cce74e0ebe0289993d27f552
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.401893983615686, R2 Score - -13.979211734795545
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/3b9b3dd19b2b43efb3d8ad055630603d
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.091115990855071
Test R2: -13.342388813043438
🏃 View run method-stochastic-lr-0.01-weight_init_mode-xavier-use_momentum-False-reg-LinearRegression at: http://localhost:5000/#/experiments/176410324244826153/r
uns/de8ae99d106544ec9a9f6cd2c5695aec
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== LinearRegression =====
Fold 0: MSE Score - 11.47552746314248, R2 Score - -15.714017423785226
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/cb624234278148b1bc7538888521d8f4
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.51118036867774, R2 Score - -12.150177916320304
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/4ce18b2e33394730b6c088e2d0a7e587
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.402123896692265, R2 Score - -13.979542820332476
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/cafb1c53e43a4de79ab8e41468149e83
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.218679767446432
Test R2: -13.523693763258212
==== LinearRegression =====
Fold 0: MSE Score - 10.96042562081869, R2 Score - -14.963775555141211
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/9153c9121b08453aa4304f42d184f339
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.164548539756735, R2 Score - -11.670924022998921
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/bda66996739d47d78fd8780a19b01f1c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.26077881962055, R2 Score - -13.77599932715103
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/c2d6cd6d038241bca3ae1cbdab83fb3c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 9.96190309622352
Test R2: -13.158739990044676
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🏃 View run method-mini-batch-lr-0.01-weight init mode-zeros-use momentum-False-reg-LinearRegression at: http://localhost:5000/#/experiments/176410324244826153/ru
ns/922d456172504474b91e14c126535103
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== LinearRegression =====
Fold 0: MSE Score - 11.425101935459871, R2 Score - -15.640573030837043
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/c9c3ef1d3d91439399f1d844e32edc74
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.575285930214324, R2 Score - -12.23881040008729
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/88fa04510ee74940896dfbe97fd414bf
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 11.054066555126488, R2 Score - -14.918370608330871
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/001beb009bdf46969ef1c92a02b53f38
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 11.230864983015117
Test R2: -14.962301140842241
==== LinearRegression =====
Fold 0: MSE Score - 11.038061880412284, R2 Score - -15.076852169678766
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/ff87481ea5c24fefa9b9dda0d1cbf929
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.242238808413735, R2 Score - -11.778338751308642
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/432a88e2bd444428b56c1dfb99806ed8
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.208668697766322, R2 Score - -13.70095832500181
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/3261054c2edf4b0cb210aec18485fb7d
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 9.865327110712311
Test R2: -13.021477636162324
🏃 View run method-mini-batch-lr-0.01-weight init mode-xavier-use momentum-False-reg-LinearRegression at: http://localhost:5000/#/experiments/176410324244826153/r
uns/a8d4467ae1ac4c3196789684dd38d8ea
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== LinearRegression =====
Fold 0: MSE Score - 41.087696901327504, R2 Score - -58.843914287834906
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/0338537557fa432abd127eb7f139a20e
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 39.898203724694675, R2 Score - -54.16334010962182
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/d51d4c85265c406e956d3bd41e6757c4
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 40.04668731482507, R2 Score - -56.66909463899403
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/77321727676241ad97c4920e8d7174d3
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 40.03068343073917
Test R2: -55.895156763218154
==== LinearRegression =====
Fold 0: MSE Score - 12.117245316210964, R2 Score - -16.64867453752486
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/344087a2421c410fb1cba0ff8b1c731f
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 10.156113381454446, R2 Score - -13.041863651778732
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/b11f6a8a378c4e1f9d6328e0a92ac197
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.913525898227052, R2 Score - -14.715985517657977
🏂 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/a2a8fcffc8604b078592de3cf9f14c2a
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View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 11.05190891058317
Test R2: -14.707952902887179
🏃 View run method-batch-lr-0.01-weight init mode-zeros-use momentum-False-reg-LinearRegression at: http://localhost:5000/#/experiments/176410324244826153/runs/40
af961a58c9441284f4c02e69db0945
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== LinearRegression =====
Fold 0: MSE Score - 41.17554585759205, R2 Score - -58.97186561646733
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/2dd646ceace5499bad637780da742272
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 39.83415570096688, R2 Score - -54.07478717774989
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/e081d306834642889b153a4b86760420
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 39.99117716428856, R2 Score - -56.589157437208804
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/65a312b5c1ba48af8988b681647a9218
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 39.9649660050076
Test R2: -55.80175333068515
==== LinearRegression =====
Fold 0: MSE Score - 12.113176563601359, R2 Score - -16.642748430665858
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/880ca3d3f5f54cf184c8864659f6e67f
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 10.154386521212041, R2 Score - -13.039476091187511
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/6dc9c35f04d6423588ff44af50032527
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.918134492875708, R2 Score - -14.722622108566402
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/beca9ec4195d4d4c8dd0a4ac7ef8b031
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 11.058682794491995
Test R2: -14.717580547330353
🏃 View run method-batch-lr-0.01-weight init mode-xavier-use momentum-False-reg-LinearRegression at: http://localhost:5000/#/experiments/176410324244826153/runs/e
5e76404fc944f01bafc5f8491d1be42
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== LinearRegression =====
Fold 0: MSE Score - 11.098276252387462, R2 Score - -15.164553938995066
½ View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/c262cb8f564049a6b3c5d01a2b629265
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.240053409231713, R2 Score - -11.775317213818258
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/42eee405ed7a4e19ab854adcc1e917c0
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.244364301682236, R2 Score - -13.752361656923869
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/d8236394e3154bbca5fd232fc01de91b
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 9.927593078506355
Test R2: -13.10997555063798
==== LinearRegression =====
Fold 0: MSE Score - 10.954282255870664, R2 Score - -14.954827791379437
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/6b9f5c0dcbbd4c6887753bbc6567ec99
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.160847102918407, R2 Score - -11.66580640866681
🏂 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/51123c1c29dd4013b482e23180efa630
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View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.16862254702364, R2 Score - -13.643290003051689
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/62d304a9a38a40509116fd94c77884dd
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 9.892825494556545
Test R2: -13.060560777529615
🏃 View run method-stochastic-lr-0.001-weight init mode-zeros-use momentum-False-reg-LinearRegression at: http://localhost:5000/#/experiments/176410324244826153/r
uns/97fa7d057f304007af8f8cd17c3a980c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== LinearRegression =====
Fold 0: MSE Score - 11.07245395388723, R2 Score - -15.12694395998179
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/c3d35f9689ae44b8b12844786620722d
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.216046418513626, R2 Score - -11.742125098124822
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/614e4aaf857343e58b3a44b412f38ac0
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.228905813756898, R2 Score - -13.730100714436071
🏂 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/bb9170ad38224cd2a7df40dfc14b9ca4
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 9.898251026307602
Test R2: -13.068272024329442
==== LinearRegression =====
Fold 0: MSE Score - 10.964990561276437, R2 Score - -14.970424355781914
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/c7729ca494cd4694bb24b105009da573
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.16978997458809, R2 Score - -11.678170841784537
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/9077f33c0ebd4e5089eb3a8d88e9eb36
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.202340070545691, R2 Score - -13.691844807090769
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/539d718723314c66991550379c3dae1a
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 9.88569771950245
Test R2: -13.050430151611689
🏃 View run method-stochastic-lr-0.001-weight init mode-xavier-use momentum-False-reg-LinearRegression at: http://localhost:5000/#/experiments/176410324244826153/
runs/80934da3fe384799855fe6e11b852541
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== LinearRegression =====
Fold 0: MSE Score - 12.295746140851861, R2 Score - -16.90865961470675
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/34e2e467a8d54b8da3e0bab99e08bb44
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 10.35186985848304, R2 Score - -13.312516967288925
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/e5cee5711ab540d083cb5d40bb479a27
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 11.066366289587938, R2 Score - -14.93608279873293
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/24de8663ea5c4ffca2ce15015e32dc81
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 11.251174586870373
Test R2: -14.99116695066892
==== LinearRegression =====
Fold 0: MSE Score - 11.123327165967645, R2 Score - -15.201040401809582
🏂 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/6d9ea3e10acb4b2db151c4e709297e3b
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View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.286173058250627, R2 Score - -11.839082337233878
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/afb34a33d3834b7784c3d182891e18a3
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.24483367317695, R2 Score - -13.753037573734085
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/35896a7aeae44cf78352b6679460d68a
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 9.925751571148966
Test R2: -13.107358237097468
🏃 View run method-mini-batch-lr-0.001-weight init mode-zeros-use momentum-False-reg-LinearRegression at: http://localhost:5000/#/experiments/176410324244826153/r
uns/f64be4a619304f72b69494f9a048555d
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== LinearRegression =====
Fold 0: MSE Score - 12.29554191089681, R2 Score - -16.908362155349163
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/b411c6fd10f04d9886cc42838047b477
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 10.346867181679986, R2 Score - -13.305600255853753
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/24f0d95463824a7481c5a5ec04d6f54b
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 11.072361827198232, R2 Score - -14.944716652093673
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/e56d098099f84b95ac96b5dca3857d1a
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 11.259322476997475
Test R2: -15.002747454580952
==== LinearRegression =====
Fold 0: MSE Score - 11.123438674684827, R2 Score - -15.201202813397884
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/c5f1440f17b8423a8f7e9ae0559f7538
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.28692265925496, R2 Score - -11.840118737153881
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/26b5af0e599a4d37a589bae0dc87ac4c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.244252388786895, R2 Score - -13.752200497142988
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/fd5f35fddb3d47c9ac6ee1d4c8bddd27
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 9.925413730589748
Test R2: -13.106878068138798
🏃 View run method-mini-batch-lr-0.001-weight init mode-xavier-use momentum-False-reg-LinearRegression at: http://localhost:5000/#/experiments/176410324244826153/
runs/27c6d9e588504e52a3ce0a54ec5a65dd
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== LinearRegression =====
Fold 0: MSE Score - 143.6401139200794, R2 Score - -208.21072033731693
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/0a1cf3c2d42f40c19f016877d7309db0
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 143.21258091905335, R2 Score - -197.00601459971952
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/a003b7fbec9e4aabaa8080866aef8fca
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 143.35189541435912, R2 Score - -205.43340504894798
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/45e1fdb188f345cc8a515b64c3a53e28
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 143.0716187298056
Test R2: -202.34607052321718
```

```
==== LinearRegression =====
Fold 0: MSE Score - 41.20095324627466, R2 Score - -59.008871282524765
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/ae52c64370164ddc99d00eee9a67f437
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 39.654555336398225, R2 Score - -53.82647133719538
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/2b455c91151d49338032e67a08976128
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 39.803327482627324, R2 Score - -56.31864514777865
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/8bdee7e6d6d049e4bfa937f7288d0a89
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 39.787844745796036
Test R2: -55.55001289196953
🏃 View run method-batch-lr-0.001-weight init mode-zeros-use momentum-False-reg-LinearRegression at: http://localhost:5000/#/experiments/176410324244826153/runs/1
6fc479403694671b94c043c08a1d438
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== LinearRegression =====
Fold 0: MSE Score - 143.33302106259646, R2 Score - -207.76344195406392
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/309bdb93119a453d99836414bd15cc80
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 143.13975105670843, R2 Score - -196.9053198793659
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/3745f4e04c0e4cd9b5d03509b8da7293
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 144.04251342218828, R2 Score - -206.42792714111985
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/a1f427b9204040bfbb227c3b21f7da85
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 143.75193678174838
Test R2: -203.31299886160295
==== LinearRegression =====
Fold 0: MSE Score - 41.27110398685947, R2 Score - -59.11104529624151
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/046036e5611f4435ac82ec6535ddae84
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 39.624963742173, R2 Score - -53.78555793698579
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/93ffaaf2ecf240cb82e69348b567c85a
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 39.765663878713625, R2 Score - -56.2644078042134
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/99b3a306436f482bb8c4b0697e9fff40
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 39.755771670664885
Test R2: -55.50442779371303
🏃 View run method-batch-lr-0.001-weight init mode-xavier-use momentum-False-reg-LinearRegression at: http://localhost:5000/#/experiments/176410324244826153/runs/
04bc00b926e746999bf1cb122a66a1c5
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== LinearRegression =====
Fold 0: MSE Score - 11.36455758707193, R2 Score - -15.552390653415358
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/acd525749f1f47418e4183198c623529
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.485651978368995, R2 Score - -12.114882310363468
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/4fa350ae85a24143992ecf6845b72139
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.383544308567098, R2 Score - -13.952787348212638
🏂 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/70d114e288124cdf94aeca111fbe3c29
```

```
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.186129649998481
Test R2: -13.477430650162315
==== LinearRegression =====
Fold 0: MSE Score - 11.09238299768309, R2 Score - -15.155970458878091
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/7120ee15b3f84f1f836c52016ddc678c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.209250882055956, R2 Score - -11.732729575172751
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/f8dc6d03b3ca4f96b74905d98e7dd684
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.25744084370049, R2 Score - -13.771192486382322
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/c72cbebfa2b54b21afd239a622aa060f
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 9.949946394211475
Test R2: -13.141746064959099
🏃 View run method-stochastic-lr-0.0001-weight init mode-zeros-use momentum-False-reg-LinearRegression at: http://localhost:5000/#/experiments/176410324244826153/
runs/22f2acf13c02483f8eb6c88e44e9a8d8
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== LinearRegression =====
Fold 0: MSE Score - 11.36305535656527, R2 Score - -15.550202666244964
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/9e443a0851674f7c87159f46c6c2ab5c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.48419512382527, R2 Score - -12.112868060217261
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/36aaec8e31d44f1ba5c28fcdfdb3dd99
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.383032571150714, R2 Score - -13.95205042250231
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/f33adea5a8154120967bfbc1c3a63d73
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 10.185294763537014
Test R2: -13.476244035494924
==== LinearRegression =====
Fold 0: MSE Score - 11.078009485859718, R2 Score - -15.135035549539204
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/69c728ba077547cfba678faa9e2f8735
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 9.1879053470795, R2 Score - -11.703217193766985
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/14b3b576b02c46f286e99031370098da
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 10.26465421882993, R2 Score - -13.781580082483243
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/7df81bf39eee4365a6d83c70373e5a3c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 9.961829467584808
Test R2: -13.158635342494776
🏃 View run method-stochastic-lr-0.0001-weight init mode-xavier-use momentum-False-reg-LinearRegression at: http://localhost:5000/#/experiments/17641032424482615
3/runs/32a3e9b550c34d7cb029439b5db62b56
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== LinearRegression =====
Fold 0: MSE Score - 55.636994256839934, R2 Score - -80.0348539012786
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/4d5c0938a56342bdb24e8a7846e3c2b5
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 54.21788957098183, R2 Score - -73.96176777950613
🏂 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/8482b6fea6374a00bf5d7c9fc0bc0ba0
```

```
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 54.33628945265105, R2 Score - -77.24678715976322
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/2b544b5334c64c019a213243ee026c36
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 54.24905494958451
Test R2: -76.10356709131143
==== LinearRegression =====
Fold 0: MSE Score - 12.29581117824524, R2 Score - -16.90875434116962
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/b054b1dc6aaf4e6da70a1d4fb2cd14b1
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 10.351880274550517, R2 Score - -13.312531368565653
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/6d5b668883d842b89e79de0ad5ed2b6c
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 11.066271354248045, R2 Score - -14.935946087422508
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/7fef045336554d6d8168164bcfff47ac
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 11.251280659698047
Test R2: -14.991317710776958
🏃 View run method-mini-batch-lr-0.0001-weight init mode-zeros-use momentum-False-reg-LinearRegression at: http://localhost:5000/#/experiments/176410324244826153/
runs/55b53f9d1cf44d128d480990061cf8d6
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== LinearRegression =====
Fold 0: MSE Score - 55.69346763930145, R2 Score - -80.11710694816239
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/1f2804264f634a2bb4b8344b178b3c11
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 54.02883372411533, R2 Score - -73.70037876930479
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/a7741b668f62419296434e24dfa4f02a
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 54.35959614207693, R2 Score - -77.2803498778891
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/9de330dfa85049a78b68bc8dfdce258e
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 54.260106232226875
Test R2: -76.11927415410639
==== LinearRegression =====
Fold 0: MSE Score - 12.296020682492731, R2 Score - -16.90905948249355
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/749cf8a00d4242b5b2b57ae885a3bd9b
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 10.351357294346304, R2 Score - -13.311808295038968
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/b2f057b37428480c9548b877ad4887f7
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 11.073153926366308, R2 Score - -14.945857311782401
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/6274147ec5ee43f2a028174f96d63c43
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 11.259071283571798
Test R2: -15.002390436211364
🏃 View run method-mini-batch-lr-0.0001-weight init mode-xavier-use momentum-False-reg-LinearRegression at: http://localhost:5000/#/experiments/17641032424482615
3/runs/c343b605b939442aa547adba668dbf53
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== LinearRegression =====
Fold 0: MSE Score - 166.85008937943263, R2 Score - -242.01587094840926
🏂 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/5a7ec1572d924a8a87cae7abc51abec1
```

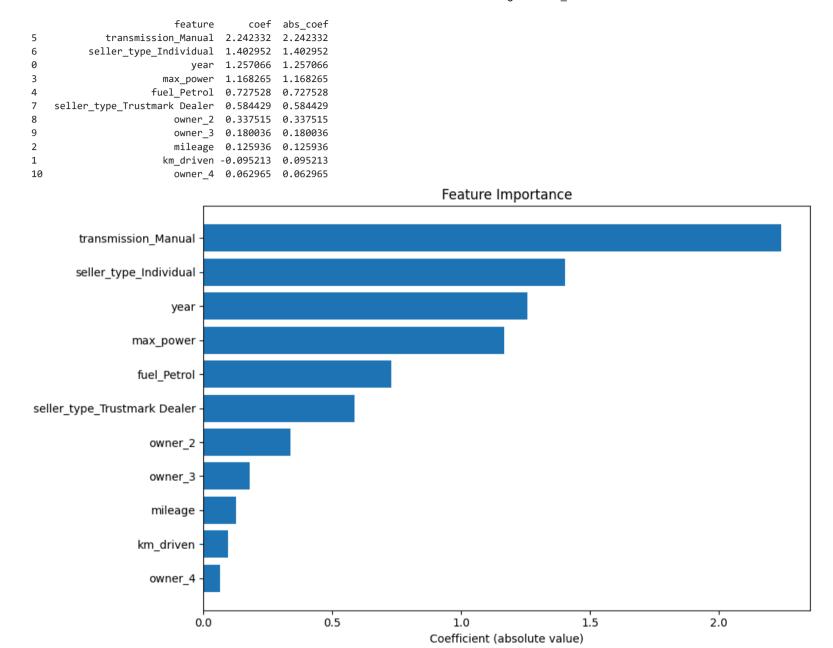
```
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 166.2080012815151, R2 Score - -228.79953099888186
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/1487502059da470aade06ef2b8e990ce
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 166.36407278984532, R2 Score - -238.5720121073388
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/2f1b18c8f5714e718ed35c0739527b86
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 166.07414668052257
Test R2: -235.03930285263044
==== LinearRegression =====
Fold 0: MSE Score - 144.0201463409933, R2 Score - -208.76423463329678
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/b394eb8ec4c44062bbc430aede1105d6
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 143.20986615184827, R2 Score - -197.0022611568907
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/399c85fa0b454de6a4d31b4bd3aa8bfa
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 143.349696231942, R2 Score - -205.43023812385516
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/00363f38e2804f97a1522d157bbb886b
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 143.0697280293026
Test R2: -202.34338329201626
🏃 View run method-batch-lr-0.0001-weight init mode-zeros-use momentum-False-reg-LinearRegression at: http://localhost:5000/#/experiments/176410324244826153/runs/
5be8fa4f18b944029e2d22ffd68187a1
View experiment at: http://localhost:5000/#/experiments/176410324244826153
==== LinearRegression =====
Fold 0: MSE Score - 166.45936475462736, R2 Score - -241.44678353975874
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/520b54fbe074422b80a4f12ecb46ff0f
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 166.67681406687788, R2 Score - -229.44771253871141
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/e53761ce24074005927c5acb1ebee0e4
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 166.34374501818857, R2 Score - -238.54273916952351
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/75081eb295574b2c90c9942b61e58e96
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 166.0809398912679
Test R2: -235.04895796608733
==== LinearRegression =====
Fold 0: MSE Score - 144.37427840941328, R2 Score - -209.28002526522226
🏃 View run Fold-0 at: http://localhost:5000/#/experiments/176410324244826153/runs/6981aa49d5aa419e87fd7182cf0029ef
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 1: MSE Score - 142.67311610607462, R2 Score - -196.26014941839804
🏃 View run Fold-1 at: http://localhost:5000/#/experiments/176410324244826153/runs/1c52eeb636bd490ea0f4e33d2bfe79bb
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Fold 2: MSE Score - 143.18699039294273, R2 Score - -205.19593413876393
🏃 View run Fold-2 at: http://localhost:5000/#/experiments/176410324244826153/runs/736c56d79f84463181bbd39fd3dc51ee
View experiment at: http://localhost:5000/#/experiments/176410324244826153
Test MSE: 142.89595618391468
Test R2: -202.09640333721515
🏃 View run method-batch-lr-0.0001-weight init mode-xavier-use momentum-False-reg-LinearRegression at: http://localhost:5000/#/experiments/176410324244826153/run
s/f3d370d2561f4cc7adfdfa8211df1b99
View experiment at: http://localhost:5000/#/experiments/176410324244826153
```

Perform the prediction on the test set

```
In [51]: best_model = joblib.load('method-batch-lr-0.01-weight_init_mode-xavier-use_momentum-False-reg-Polynomial.joblib')
In [52]: y pred=best model.predict(X test,True)
         y_pred
Out[52]: array([12.82661759, 14.06262702, 13.1518727, ..., 11.83491208,
                13.67542873, 13.85056552], shape=(2409,))
In [53]: y pred = np.exp(y pred)
In [54]: y_pred
Out[54]: array([ 371988.26621838, 1280328.21861982, 514974.51610003, ...,
                 137986.63125459, 869287.10349253, 1035676.63308913],
               shape=(2409,))
In [56]: y_test=np.exp(y_test)
In [57]: y_test
Out[57]: array([225000., 900000., 320000., ..., 150000., 650000., 300000.],
               shape=(2409,))
In [ ]: #display mse and r2
         mse = best model.mse(y test, y pred)
         r2 = best_model.r2(y_test, y_pred)
         print(f"Test MSE: {mse:.4f}")
         print(f"Test R2 : {r2:.4f}")
```

Feature importance

```
In [60]: def guess_degree_bias(n_coefs: int, n_base: int):
             for deg in range(1, 6):
                 for inc bias in (False, True):
                     expect = (deg * n base) + (1 if inc bias else 0)
                     if expect == n coefs:
                         return deg, inc bias
             return None, None
         DEGREE, INCLUDE BIAS = guess degree bias(len(coefs), len(BASE FEATURES))
         print(f"degree = {DEGREE}, include bias = {INCLUDE BIAS}")
        degree = 2, include bias = False
In [61]: def my poly feature names(base feats, degree, include bias=True):
             names = []
             if include bias:
                 names.append("bias")
             for d in range(1, degree + 1):
                 for f in base feats:
                     names.append(f if d == 1 else f''(f)^{d}'')
             return names
         feature_names = my_poly_feature_names(BASE_FEATURES, DEGREE, INCLUDE_BIAS)
In [62]: import pandas as pd
         import matplotlib.pyplot as plt
         df_imp = (pd.DataFrame({"feature": feature_names, "coef": coefs})
                      .assign(abs coef=lambda d: d["coef"].abs()))
         df_linear = df_imp[~df_imp["feature"].str.contains(r"\^")]
         df_linear = df_linear.sort_values("abs_coef", ascending=False)
         print(df linear)
         # plot
          plt.figure(figsize=(10,6))
         plt.barh(df_linear["feature"], df_linear["abs_coef"])
         plt.gca().invert yaxis()
         plt.xlabel("Coefficient (absolute value)")
         plt.title("Feature Importance")
         plt.tight layout()
         plt.show()
```



Report

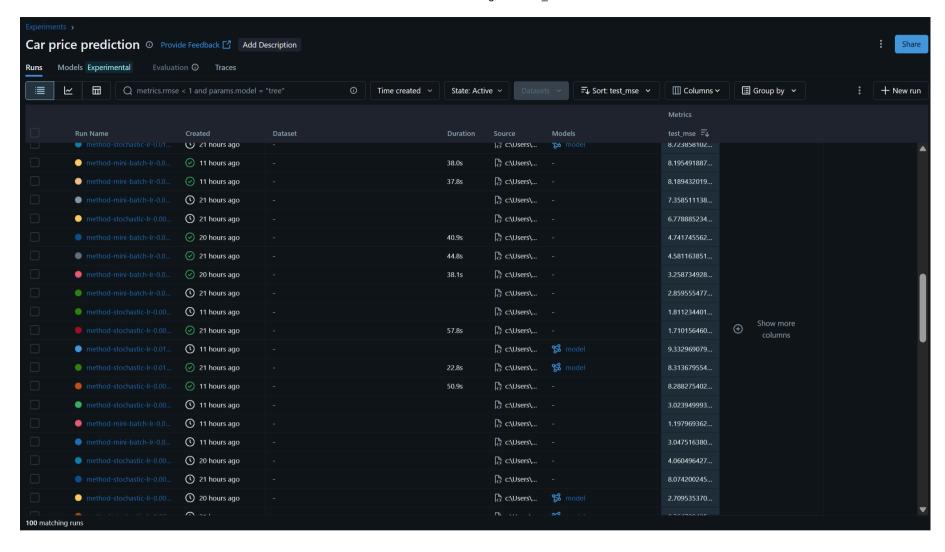
Feature Importance (Polynomial)

The chart above shows the feature importance (measured by the absolute values of the regression coefficients) derived from the **Polynomial model**.

Observations:

- **transmission_Manual** has the largest coefficient magnitude, indicating that the type of transmission (manual vs. automatic) plays the most significant role in predicting car prices.
- seller_type_Individual and year follow, suggesting that the seller type (individual vs. dealer) and the car's manufacturing year strongly.
- max_power and fuel_Petrol also contribute substantially, reflecting the importance of engine power and fuel type.
- Other features such as owner 2, mileage, and km_driven have smaller coefficients, meaning they have less impact on the model compared to the top features.

MLflow (screenshots)



Result discussion/finding

Car Price Prediction

Fill in the details, select model, and click Predict.

Choose Model Year km_driven mileage 25 2015 20 max_power (bhp) fuel_Petrol (1=True, 0=False) transmission_Manual (1=True, 0=False) 80 0 1 seller_type_Individual (1=True, 0=False) seller_type_Trustmark Dealer (1=True, 0=False) owner_2 (1=True, 0=False) 0 0 1 owner_3 (1=True, 0=False) owner_4 (1=True, 0=False)

0

Predict Price

1

Estimated selling price ≈ 511,231

Car Price Prediction Fill in the details, select model, and click Predict. Choose Model ○ Model 1: RandomForestRegressor ○ Model 2: Polynomial Year km_driven mileage 2015 25 20 max_power (bhp) fuel_Petrol (1=True, 0=False) transmission_Manual (1=True, 0=False) 80 0 seller_type_Individual (1=True, 0=False) seller_type_Trustmark Dealer (1=True, 0=False) owner_2 (1=True, 0=False) 0 0 owner_3 (1=True, 0=False) owner_4 (1=True, 0=False) 0 **Predict Price**

<>>

When I compared the results between the two models:

• Model 1: RandomForestRegressor

Estimated selling price ≈ 48,384

• Model 2: Polynomial Regression (degree = 2, batch gradient descent, learning rate = 0.01, Xavier initialization, not used momentum)

I found a very large gap in the predicted prices. RandomForest gave \approx 511,231, while Polynomial Regression gave only \approx 48,384. This suggests that RandomForest fits and generalizes better for this dataset, while Polynomial Regression may need feature scaling and careful tuning to work properly.

P.S. In the future, I will check my code again to find the error in my process.