```
!git clone https://dagshub.com/codeboosterstech/my-first-repo.git
%cd my-first-repo
```

```
Cloning into 'my-first-repo'...
warning: You appear to have cloned an empty repository.
/content/my-first-repo
```

```
!pip install dvc scikit-learn pandas mlflow evidently
```

Show hidden output

```
import mlflow

mlflow.set_tracking_uri("https://dagshub.com/codeboosterstech/my-first-repo.mlflow/")
```

```
import os

os.environ["MLFLOW_TRACKING_USERNAME"] = "codeboosterstech"
os.environ["MLFLOW_TRACKING_PASSWORD"] = "30d041439fd71e51f392b219ac9af9c13fdad892"
```

```
import pandas as pd
from sklearn.linear_model import LinearRegression
from sklearn.model_selection import train_test_split
import mlflow
import joblib
import os

# Setup MLflow tracking to DagsHub
mlflow.set_tracking_uri("https://dagshub.com/codeboosterstech/my-first-repo.mlflow")
mlflow.set_experiment("House-Prices")

# Load dataset
df = pd.read_csv("https://raw.githubusercontent.com/selva86/datasets/master/BostonHousing.
X = df[["rm", "lstat", "ptratio"]]
y = df["medv"]
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2)

with mlflow.start_run():
    model = LinearRegression()
    model.fit(X_train, y_train)

    score = model.score(X_test, y_test)
    mlflow.log_metric("score", score)

    # Save model manually
    os.makedirs("model", exist_ok=True)
    joblib.dump(model, "model/house_price_model.pkl")
    joblib.dump(model, "model/house_price_model.pkl")
    mlflow.log_artifact("model/house_price_model.pkl", artifact_path="model")
```

```
🏃 View run bittersweet-duck-482 at: https://dagshub.com/codeboosterstech/my-first-r
🧪 View experiment at: https://dagshub.com/codeboosterstech/my-first-repo.mlflow/#/e
```

```
!git config --global user.email "codeboosterstech@gmail.com"
!git config --global user.name "codeboosterstech"
```

```
!dvc init
!dvc add data.csv
!git add data.csv.dvc .gitignore
!git commit -m "Add dataset"
!dvc remote add -d origin https://dagshub.com/codeboosterstech/my-first-repo.dvc
!dvc push
```

```
ERROR: failed to initiate DVC - '.dvc' exists. Use `-f` to force.
⠋ Checking graph
Adding...:   0% 0/1 [00:00<?, ?file/s{'info': ''}]
!
          |0.00 [00:00,     ?file/s]
Adding...:   0% 0/1 [00:00<?, ?file/s{'info': ''}]
ERROR: output 'data.csv' does not exist: [Errno 2] No such file or directory: '/conte
fatal: pathspec 'data.csv.dvc' did not match any files
[main (root-commit) 26265aa] Add dataset
 3 files changed, 6 insertions(+)
 create mode 100644 .dvc/.gitignore
 create mode 100644 .dvc/config
 create mode 100644 .dvcignore
Setting 'origin' as a default remote.
ERROR: configuration error - config file error: remote 'origin' already exists. Use `
Collecting          |0.00 [00:00,    ?entry/s]
Pushing
Everything is up to date.
```

```
import os

# Replace these with your actual username and token
USERNAME = "codeboosterstech"
TOKEN = "30d041439fd71e51f392b219ac9af9c13fdad892"

# Set Git config (optional but good practice)
!git config --global user.email "codeboosterstech@gmail.com"
!git config --global user.name "{USERNAME}"

# Set remote with token for authentication
os.environ['GIT_ASKPASS'] = 'echo'
!git remote set-url origin https://{USERNAME}:{TOKEN}@dagshub.com/{USERNAME}/my-first-rep

# Push your code
```

```
!git push origin main
```

```
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 2 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (6/6), 473 bytes | 473.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
To https://dagshub.com/codeboosterstech/my-first-repo.git
 * [new branch]      main -> main
```

```
!git status
```

```
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   .dvc/config

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        model/

no changes added to commit (use "git add" and/or "git commit -a")
```