```
import pandas as pd
import numpy as np

num = np.random.uniform(0,1,10000)

a = np.array([])
for i in range(20):
    select10 = np.random.choice(num,10)
    a = np.append(a,select10.mean())
print(a.mean(),a.std())
```

0.48112868409 0.0689203843189

```
b = np.array([])
for i in range(50):
    select1000 = np.random.choice(num,1000)
    b = np.append(b,select1000.mean())
print(b.mean(),b.std())
```

0.499421760376 0.00854388743623

```
from sklearn.metrics import mean_absolute_error
y_pred = regr.predict(X_transform)
mean_absolute_error(y, y_pred)
```

## 0.24510714659490254

