

data.csv文件中包含两列用逗号分隔的数据。第一列是x，第二列是y。完成如下工作：

- (1) 在data.csv中随机选择80%的数据作为训练集，剩余20%作为测试集。
- (2) 构造模型，采用梯度下降算法训练模型。
- (3) 用测试集对训练的模型进行评估，将测试集中的x作为输入，用模型计算y，计算预测值与实际值的RMSE。
- (4) 绘制data.csv中的点，绘制 $x \in [0,1]$ 之间模型的对应曲线。

数据格式如下：

```
1 0.0000000000000000,0.00045401991009684
2 0.0100100100100100,0.00067487908347918
3 0.0200200200200200,0.00099516665248245
4 0.0300300300300300,0.00145574221405758
5 0.0400400400400400,0.00211247752152538
6 0.0500500500500500,0.00304101936049645
7 0.0600600600600600,0.00434277611628926
8 0.0700700700700700,0.00615236631426893
9 0.0800800800800800,0.00864687227990188
10 0.0900900900900900,0.01205760122738213
11 0.1001001001001000,0.01668621265042236
12 0.1101101101101101,0.02293042623102405
13 0.1201201201201201,0.03133322190862405
14 0.1301301301301301,0.04268941581653012
15 0.1401401401401401,0.05828343720834794
```

数据分布如下：



