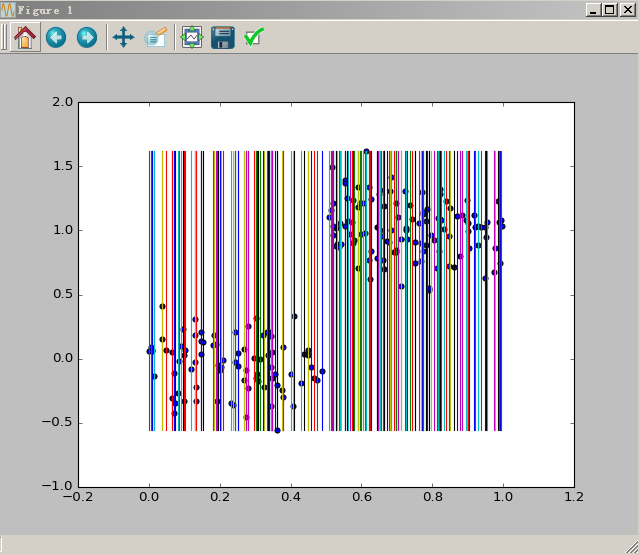
**Qutesion :**

There is a program from the Text book (Machine Learning In action, Chapter 9, page 179~Page 184) stop before the section (Using CART for regress)

It is about CART in ordinary tree with pruning. But there are 3 places with mistakes in these program. These mistakes maybe arise owing to the version difference of Python , or athour's ignorance. All these mistakes are very small. You need only do little change to make this program normal. If this program runs correctly it will produce a picture like the following one:



It means, the program split these point by many split value(split line) into left and right, then left and right is splited again into left and right. so it a binary tree. this tree is represented in Dict. You may carefully read the text.

Your task is finding these 3 mistakes(or bugs) and correct them. run this program, it will create the result like the above result.

Your marks is based submission order. The first submission is 100. The second submission is 95. The third submission is 90, etc.

you are provided 3 file besides this one. They are respectively:

one is program file(exam\_regTrees\_wrong.py)

another is data file (ex00.txt)

another is ebook of Machine learning in Action.(pdf)

After finished, you only need submit this file after inserting your corrected program and result snapshot.

The following is an exam:

list1=[[1.0,0.5],[3.0,2.1],[3.1,2.0],[4.9,2.2]]

{'left': 0.5,

'right': {'left': { 'left': 2.1,

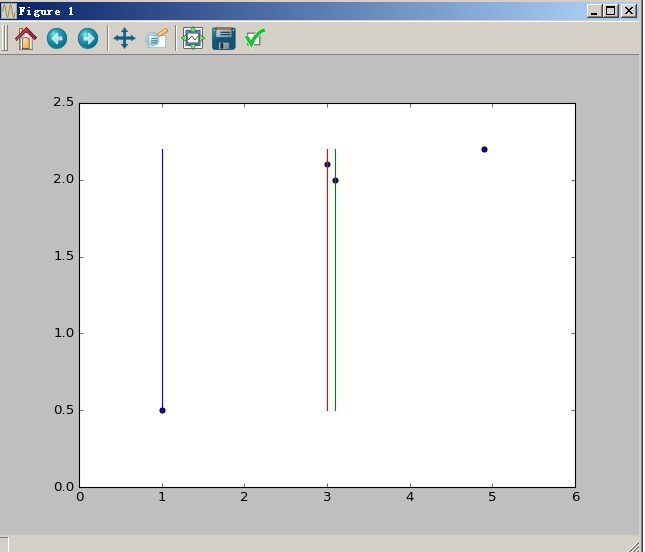
'right': 2.0,

'spInd': 0, 'spVal': 3.0},

'right': 2.2,

'spInd': 0, 'spVal': 3.1},

'spInd': 0, 'spVal': 1.0}



**[Insert Your program]**

**[Insert Your Program result in form snap screen]**