```
csc710sbse:hw6:VivekNair:vnair2
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                                                                                                                                                                                                                                  Page 1/1
      from __future__ import division
      import sys
import random
import math
import numpy as np
from models import *
sys.dont_write_bytecode = True
10 #Dr.M
      def msecs(f):
        import time
t1 = time.time()
       return (time.time() - t1) * 1000
      class Utilities:
def randR(self,lo,hi):
         return(lo+rand()*(hi-lo))
        def norm(self.x.lo.hi):
          "Generate a num 0..1 for lo..hi"

tmp = (x - lo) / (hi - lo + 0.00001)
          return max(0,min(tmp,1))
        def say(self,x):
   "Print something with no trailing new line."
   sys.stdout.write(str(x)); sys.stdout.flush()
       \begin{array}{ll} def \ gn(lst,n): \\ \text{"Function to } \ \mathbf{print} \ floats \ in \ short \ form" \\ fmt = "\%.' + str(n) + 'f' \\ return ', ', join([(fmt \% \ x) \ for \ x \ in \ lst]) \end{array}
        def logo():
                       / ARig \
       #Dr.M
        def msecs(f):
import time
          t1 = time.time()
          return (time.time() - t1) * 1000
      def say(x):
          "Print something with no trailing new line."
sys.stdout.write(str(x)+"\n"); sys.stdout.flush()
          last=lst[0]

for i in lst[1:]:

yield last,i

last = i
     contracted quintile that shows the 10,30,50,70,90 breaks in the data (but this can be changed—see the optional flags of the function).
         def pos(p) : return ordered[int(len(lst)*p)]
def place(x) :
    return int(width*float((x - lo))/(hi - lo))
def pretty(lst) :
    return ',' join([show % x for x in lst])
ordered = sorted(lst)
### Arring ordered
         ordered = sorted(lst)
#print ordered
lo = min(lo,ordered[0])
hi = max(hi,ordered[-1])
what = [pos(p) for p in chops]
where = [place(n) for n in what]
out = [""] * width
for one, two in pairs (where):
for i in range(one, two):

out [i] = mayRe(i)
           out[i] = marks[0]
marks = marks[1:]
out[int(width/2)] = bar
          #print pos(0.5)
#print place(pos(0.5))
if(place(pos(0.5))
out[place(pos(0.5))] = star
               out[width-1] = star
          return ''.join(out) + "," + pretty(what)
```