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1 local b4={}; for k,v in pairs(_ENV) do b4[k]=v end
2 local R=require
3 local lib,seen,egs,bin = R"lib", R"seen", R"egs", R"bin"
4 local o,oo,upx,sort,push = lib.o,lib.oo,lib.upx,lib.sort,lib.push
5 local items = lib.items
6 local the = lib.settings[[]
7
8 brknbad: explore the world better, explore the world for good.
9 (c) 2022, Tim Menzies
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19 USAGE:
20 ./bnb [OPTIONS]
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22 OPTIONS:
23 -K -K manage low class counts = 1
24 -M -M manage low evidence counts = 2
25 -best -B best set = .5
26 -bins -b max. number of bins = 16
27 -cohen -c cohen = .35
28 -dump -d dump stack+exit on error = false
29 -far -F how far to go for far = .9
30 -file -f file name = ../etc/data/auto93.csv
31 -goal -g goal = recurrence-events
32 -help -h show help = false
33 -leaves -l number of items in leaves = .5
34 -p -p coefficient on distance = 2
35 -rest -R rest is -R*best = 4
36 -seed -S seed = 10019
37 -some -s sample size for distances = 512
38 -todo -t start up action = nothing
39 -wait -w wait = 10]]
40
41 local go={}
42 local cols=nil
43 function go.one()
44 local function order(c,a,b)
45 local x,y = a[c], b[c]
46 x = x=="?" and -math.huge or x
47 y = y=="?" and -math.huge or y
48 return x < y end
49 local function xys_add(col,t,klass,xys, x)
50 xys = xys or {}
51 for _,row in pairs(t) do
52 x = row[col.at]
53 if x=="?" then push(xys,{x=x,y=class}) end end
54 return xys end
55 local i=egs.Init(the.file)
56 local bests,rests = egs.bestRest(i)
57 for _,col in pairs(i.cols.x) do
58 if col.nump then
59 local xys = bin.Xys(sort(xys_add(col,rests,false,
60 xys_add(col,bests,true)),upx),
61 col.at,col.name)
62 lib.map(xys,oo)
63 end end end
64
65 os.exit(lib.onTheGo(the,go,b4))

```