```
LUUKLUH
local help=[[
LOOK: landscape analysis
(c) 2022 Tim Menzies, timm@lece.org, BSD2 license
"I think the highest and lowest points are the important ones.
Anything else is just... in between." Jim Morrison
INSTALL: requires: lua 5.4+
download: lib.lua, look.lua, looking.lua
test : lua egs.lua -h
 USAGE: lua looking.lua [OPTIONS]
                                                                                                                                                                       defaults
        -also -a size of rest=best*also = 4

-p -p distance coefficient = 2

-far -f far = 95

-Some -S sample size = 256

-min -m min size pass1 = 5

-min -m min size pass2 = 10
                                                                                                                                                                     = ../../etc/data/auto93.csv
= false
= false
= nothing]]
        --file -f csv file with data
--help -h show help
--loud -l verbose mode
--go -g start up action
 local = require*\text{\text{lis}} = \text{capute}\text{\text{lis}} = \text{\text{lis}} = \text{\text{capute}} = \text{\text{lis}} = \text{\text{capute}} = \text{\text{lis}} = \text{\text{capute}} = \text{\text{lis}} = \text{\text{capute}} = \text{\text{lis}} = \text
  \begin{array}{ll} \textbf{local} & \texttt{the=\{} \\ \texttt{help:gsub("[-][-]([^\%s]+)[^na]^*\%s([^\%s]+)", \textbf{function(}k,x) & \texttt{the[}k]=\_.\texttt{tothing(}x) \textbf{ end)} \\ \end{array} 
 local function num(s) return sifind*"[A-Z].** end local function skip(s) return sifind*"[$-$]s* end local function spal(s) return sifind*"[$-$]s* end local function wght(s) return sifind*-$^* and -1 or 1 end
Twentien Style Style is defined by the form of the for
function SYM.dist(i,v1,v2) return (v1==*?* and v2==*?* and 1) or (v1==v2 and 0 or 1) end
function SVM.add(i,v,n)

n = n or 1

if v -=*;* then i.n=i.n=n; i.all[v] = n + (i.all[v] or 0);

if i.all[v]>i.most then i.most,i.mode = i.all[v],v end end end
 function SYM.div(i, e)
e=0; for k,n in pairs(i.all) do e=e-n/i.n*math.log(n/i.n,2) end ;return e end
 function SYM.mid(i) return i.mode end
local NUM=is"NUM"
function NUM.new(i,st,txt)
i.at=at or 0; i.txt=txt or ""; i.w = wght(i.txt)
i.all,i.n;i.ok,i.lo,hi={1,0,true,1E32,-1E32 end
function NUM.add(i,v)
if x -=""* then
illowmath.min(v,i.lo);i.hi=math.max(v,i.hi);push(i.all,v); i.ok=false end end
 function NUM.norm(i,v)
  return v=="?" and v or (i.hi-i.lo) < 1E-9 and 0 or (v-i.lo)/(i.hi-i.lo) end</pre>
function NUM.has(i) if not i.ok then sort(i.all) end;i.ok=true; return i.all end function NUM.mid(i) return per(i:has(),:5) end function NUM.div(i, a) a=1.has(i) return (per(a,.9) - per(a,.1))/2.56 end
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- vin: tsw2 sw2 et: - LOOK_LUM: landscape analysis - (c) 2022 Tim Newnies, time@ieee.org, 880-2 license local any.cli.cv.nain.mage linamy, l.cli, l.cw, l.main, l.map local by.co.shuffs,soort = l.o, l.oo, l.chuffse, l.sort local by.co.shuffs,soort = l.o, l.oo, l.chuffse, l.sort local by.co.shuffs,soort = l.o, l.co, l.chuffse, l.sort local by.co.shuffs,soort = l.o., l.co. l.chuffse, l.sort local by.co.shuffs,soort = l.o., l.co. l.chuffse, l.sort local by.co.shuffs,soort = l.o., l.co. l.chuffse, l.sort local go,noe(j,f) -- place to store embled and disabled tests function go.the() if the loud them on o(the) endy return type(the.seed)="numbus" end function go.cov(n) no of an cov(the.file) do non-#f; if the.loud then oo(r) end end return n = 3192 end function go.ess(rows) rows mow(the.file) if the.loud then amp(rows.nums,oo) end return cow.nums(l).h.=0 end function go.close(rows) rows mow(the.file) if ending o.close(rl.cows.oo) ok condend control (rl.cows.oo) return ok end function go.around(rl.cows.oo) return och end function go.far(rows.rl.r2.oo) of return och end function go.look(rs.best.bests.rests.n) for k=1,00 do return och end function go.look(rs.best.bests.rests.n) for k=1,00 do return och end function go.look(rs.best.bests.rests.n) for k=1,100 do return och end return och en