```
require"lib'
             -- coning
the={ min = .5,
    bins = 16,
    some = 256,
    seed = 10019,
    file = ".J.J.data/auto93.csv"}
             -- data model function goalp(x) return (x or ""):find"[!--[S" end function nump(x) return (x or ""):find"[!--[S" end function klassp(x) return (x or ""):find"[S" end function skip(x) return (x or ""):find"[S" end function weight(x) return (x or ""):find"[S" and -l or l end
              function col(at,txt)
                 function col(at,txt)
return (n = 0,
    at = at or 0,
    txt = txt or "",
    w = weight(txt),
    ok = false,
    div = 0,
    min = 0
    end
             function num(at,txt)
local i = col(at,txt)
i.nump = true
i.w = i.txt:find"-$" and -1 or 1
i.lo = big
i.hi = -big
return i end
              function cell(i,v,r)
               runction cell(r,v,r)
r = ror |
if v ~= """
then i.n = i.n + r
if i.nump
then i.lo = math.max(v, i.hi)
i.hi = math.max(v, i.hi)
if i.lo
                                                        if #i.log < the.some then i.ok=false; push(i.log,v)
elseif R() < the.some/i.n then i.ok=false; i.log[ R(#i.log) ]=v end</pre>
                                                        r = r or 1
i.ok = false
i.log[v] = r + (i.log[v] or 0) end end
                     return i end
               function ok(i)
                 function ok(i)
if not i.ok then
  i.div, i.mid = 0, 0
if i.nump
then i.log = sort(i.log)
  i.mid = per(i.log, .5)
  i.div = (per(i.log, .9) - per(i.log, .1)) / 2.56
                                               local most = -1
for x,n in pairs(i.log) do if v>0 then
if n > most then most, i.mid = n, x end
i.div = i.div - n/i.n * math.log( n/i.n, 2) end end end end
                    i.ok = true
return i end
             -- col query function norm(i,x) return i.hi - i.lo < 1E-9 and 0 or (x-i.lo)/(i.hi-i.lo) end
              -- data create
function data(names)
                   function data(names)
local i=(x=(1, y=(1, xy=(1, xy=(
                    local i
local i
local i
f type(src) =="mble" then for __t in pairs(src) do i=row(t,i) end
else for t in csv(src) do i=row(t,i) end end
              function clone(i,inits, j)
  j=row(i.names); for _,t in pairs(inits or {}) do j=row(t,j) end; return j end
               function row(t,i)
                     if not i then return data(t) end
push(i.xy, t)
for _,cols in pairs(i.x, i.y) do
for _,c in pairs(cols) do cell(c, t[c.at]) end end end
           -- data query function div(i) if not i.ok then ok(i) end; return i.div end function mid(i) if not i.ok then ok(i) end; return i.nid end function mid(i) it [/for_c in pairs(i,v) do t[c.txt]=mid(c)end; return t end function divs(i, t) t={};for_c in pairs(i.y) do t[c.txt]=div(c)end; return t end function bin(i,x) if i.nump if i.nump then be(i.ni - i.lo)/the.bins; return i.lo==i.hi and 1 or math.floor(x/b+.5)*b else return x end end
           return s1/n < s2/n
                     return sort(t, first) end
function ranges(listOfRows,xcol,yklass,y)
local n,list, dict = 0,{}, {}
```