```
local R=require
local the,__, ako, NB = R"the",R"lib",R"ako", R"learn[0]"
local push,items,collect = _.push, _.items, _.collect

return function(data)
local tmp,xnums = {}
local function go(c,x, col)
if x = """ then
col = xnums[c]
if col then x=(x - col.lo) // ((col.hi - col.lo+1E-32) / the.bins) end end
return x end

local function xnum(c,name)
if ako.xnum(name) then return {lo=1E32, hi=-1E32} end end

local function train(c,x, col)
col = xnums[c]
if col and x ~= "?" then
col.hi = math.max(x, col.hi)
col.lo = math.min(x, col.lo) end
return x end

print("dat",data)
for row in items(data) do
push(tmp, row)
if xnums then collect(row, train)
else xnums = collect(row, xnum) end end
for j=2,*tmp do tmp[j] = collect(tmp[j], go) end
return NB(tmp) end
```