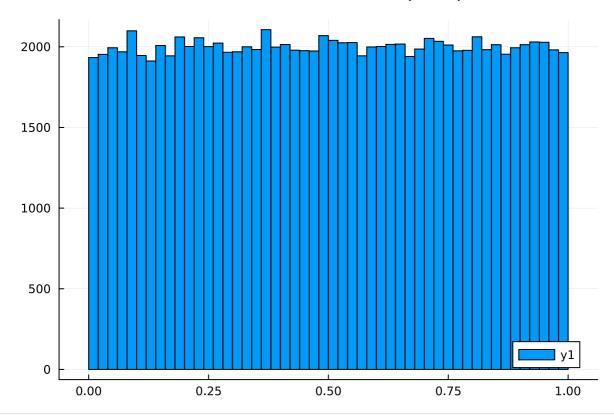
```
using Flux
test = Dense(10 => 8, \sigma) # 88 parameters
 • test = Dense(10, 8, \sigma)
\mathbf{x} = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
 \cdot x = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
 \lceil 0.950532, 0.0129686, 0.712901, 0.000242098, 0.517416, 0.130111, 0.0165873, 0.99997 \rceil
 test(x)
mdl = Chain(
        Dense(3 \Rightarrow 4, relu),
                                                # 16 parameters
        Dense(4 \Rightarrow 2, relu),
                                                # 10 parameters
                           # Total: 4 arrays, 26 parameters, 360 bytes.
 mdl = Chain(Dense(3 => 4, relu), Dense(4 =>2, relu))
z = [1, 2, 3]
 • z = [1, 2, 3]
 [0.0, 1.70855]

    mdl(z)

8×10 Matrix{Float32}:
                           -0.0112696 ...
 -0.00977322
               0.141388
                                            0.555443
                                                          0.257464
                                                                     0.0222517
  0.51808
               0.49966
                                            0.00385836
                                                        -0.196663
                                                                    -0.00902881
                            0.183631
 -0.496826
               0.112875
                            0.53814
                                           -0.113288
                                                         0.536656
                                                                    -0.146763
 0.125539
              -0.167241
                           -0.245433
                                           -0.128381
                                                         -0.47546
                                                                    -0.0210846
 -0.397278
               0.175905
                                                         0.241476
                            0.56886
                                            0.246304
                                                                    -0.254109
               0.0660035
                            0.449956
  0.516469
                                                         -0.20325
                                                                     -0.093281
                                           -0.101063
 -0.515769
              -0.0378529
                           -0.401094
                                            0.151751
                                                         -0.502077
                                                                     0.140307
                                            0.203848
                                                                     0.306574
 -0.325901
               0.253305
                           -0.344145
                                                          0.547631
 test.weight
0.18363073f0
 test.weight[2, 3]
 using Plots
n =
  0.571045, 0.919427, 0.846049, 0.923154, 0.879033, 0.896437, 0.0889564, 0.379507, 0.8407
 n = rand(100000)
```

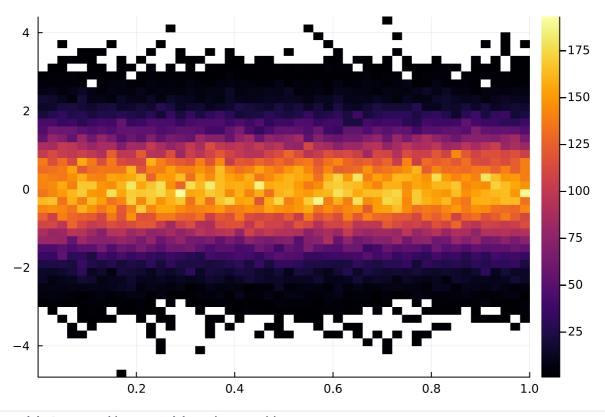


histogram(<u>n</u>)

y =
[0.308005, -0.586075, -1.89961, -0.431746, 0.169106, -0.226006, 0.451951, 0.40123, 1.143



• Enter cell code...

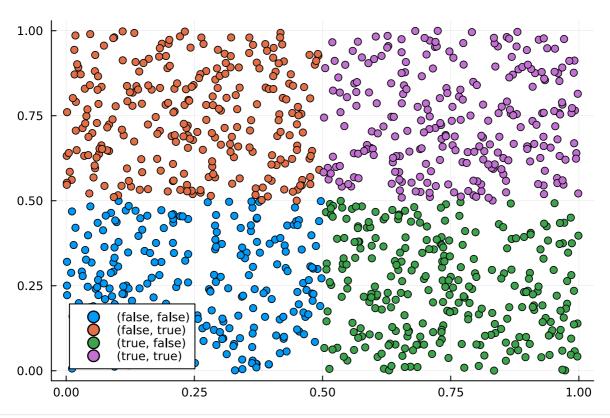


histogram2d(n, y ,nbins=(64, 64))

- a = rand(Float32, 2, 1024)

b =
[(false, true), (false, false), (false, false), (false, true), (false, false), (true, fal

• b= [(col[1]>.5 , col[2]>.5) for col in eachcol(a)]



- scatter(a[1, :], a[2, :], group=b)
- Enter cell code...
- Enter cell code...