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# Construct a contingency table

? Binomial      # Documentation page, binomial distribution

( vec1 = rbinom(25,3,0.5) )      # Example: number of girls in 25 3-kid families [0,3]
# [1] 3 1 1 2 1 1 2 2 3 2 2 3 2 1 2 1 2 0 0 1 0 1 0 2 2

( vec1 = rbinom(25,3,0.5) + 1 ) # Example for ecological data [1,4]
# [1] 4 4 2 3 2 2 3 3 2 1 2 4 2 3 3 2 1 2 2 3 3 2 3 3 2

( vec2 = rbinom(25,4,0.5) + 1 )
# [1] 4 2 3 4 5 4 3 3 3 4 5 2 4 3 1 3 3 4 5 4 2 4 4 3 2 3

( cont.table = table(vec1,vec2) )

      vec2
      1 2 3 4 5  <= Column names
vec1
  1   0 0 1 1 0
  2   0 0 4 4 3
  3   1 2 4 2 0
  4   0 2 0 1 0
Row ^
names

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vec1 = rbinom(25,3,0.5) + 1
vec2 = rbinom(25,4,0.5) + 1
cont.table = table(vec1,vec2)

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