

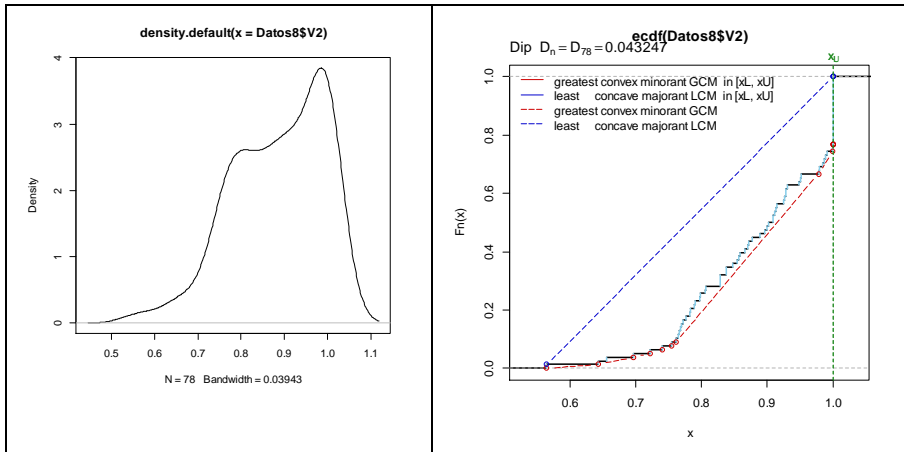
Distribución #1

Hartigans' dip test for unimodality

data: Datos8\$V2

D = 0.0432, p-value = 0.3501

alternative hypothesis: non-unimodal, i.e., at least bimodal



```
> dip(Datos8$V2, debug = 2)
dip() in C: n = 78; starting with 2N*dip = 1.
'dip': LOOP-BEGIN: 2n*D= 1 [low,high] = [ 1, 78]; l_lcm/gcm = ( 2,11)
  while(gcm[ix] != lcm[iv]) :
    G(10,2) --> ix = 9, iv = 2
    G(9,2) --> ix = 8, iv = 2
    G(8,2) --> ix = 7, iv = 2
    G(7,2) --> ix = 6, iv = 2
    G(6,2) --> ix = 5, iv = 2
    G(5,2) --> ix = 4, iv = 2
    --> ix = 3, iv = 2
    --> ix = 2, iv = 2
    --> ix = 1, iv = 2
  calculating dip .. (dip_l, dip_u) = (1.51852, 0) -> new larger dip 1.51852 (j_best =
3)
'dip': LOOP-BEGIN: 2n*D= 1.5185 [low,high] = [ 8, 78]; l_lcm/gcm = ( 3, 5)
  while(gcm[ix] != lcm[iv]) :
    L(5,2) --> ix = 4, iv = 3
    G(4,3) --> ix = 3, iv = 3
    --> ix = 2, iv = 3
    --> ix = 1, iv = 3
  calculating dip .. (dip_l, dip_u) = (6.74654, 0) -> new larger dip 6.74654 (j_best =
49)
'dip': LOOP-BEGIN: 2n*D= 6.7465 [low,high] = [ 53, 78]; l_lcm/gcm = ( 2, 4)
  while(gcm[ix] != lcm[iv]) :
    G(3,2) --> ix = 2, iv = 2
    --> ix = 1, iv = 2
  calculating dip .. (dip_l, dip_u) = (2.28571, 0)
'dip': LOOP-BEGIN: 2n*D= 6.7465 [low,high] = [ 59, 78]; l_lcm/gcm = ( 3, 3)
  while(gcm[ix] != lcm[iv]) :
    L(3,2) --> ix = 2, iv = 3
    G(2,3) --> ix = 1, iv = 3
  calculating dip .. (dip_l, dip_u) = (2, 0)
'dip': LOOP-BEGIN: 2n*D= 6.7465 [low,high] = [ 61, 78]; l_lcm/gcm = ( 2, 2)
  ** (l_lcm,l_gcm) = (2,2) ==> d := 1
[1] 0.04324708
```

Distribución #2

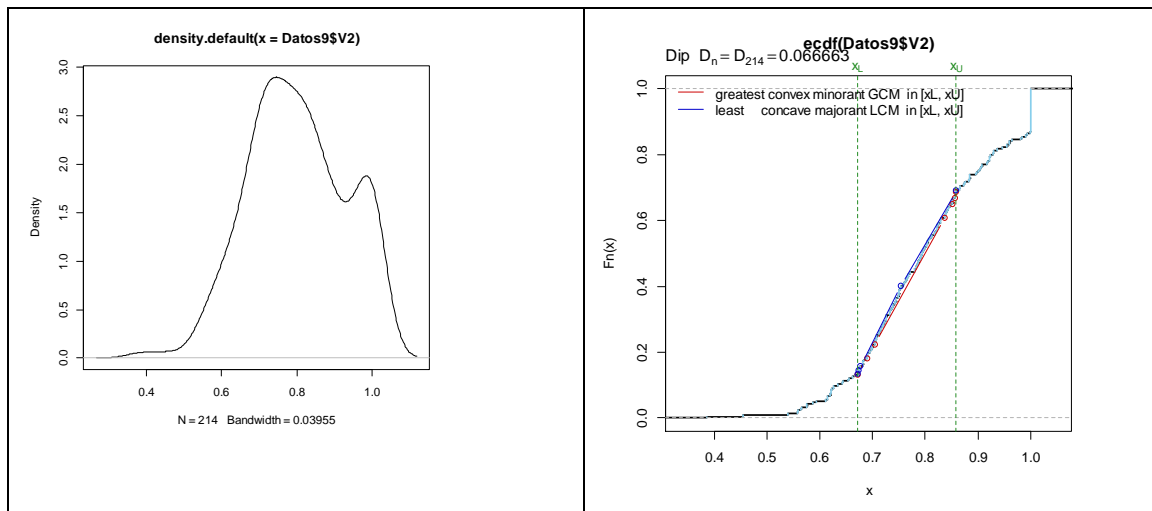
```
dip.test(Datos9$V2)
```

Hartigan's dip test for unimodality

```
data: Datos9$V2
```

```
D = 0.0667, p-value = 1.535e-06
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alternative hypothesis: non-unimodal, i.e., at least bimodal
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```
> dip(Datos9$V2, debug = 2)
dip() in C: n = 214; starting with 2N*dip = 1.
'dip': LOOP-BEGIN: 2n*D= 1 [low,high] = [ 1,214]; l_lcm/gcm = ( 2, 8)
  while(gcm[ix] != lcm[iv]) :
G(7,2) --> ix = 6, iv = 2
G(6,2) --> ix = 5, iv = 2
G(5,2) --> ix = 4, iv = 2
G(4,2) --> ix = 3, iv = 2
--> ix = 2, iv = 2
--> ix = 1, iv = 2
  calculating dip .. (dip_l, dip_u) = (5.75, 0) -> new larger dip 5.75 (j_best = 21)
'dip': LOOP-BEGIN: 2n*D= 5.75 [low,high] = [ 29,214]; l_lcm/gcm = ( 6, 4)
  while(gcm[ix] != lcm[iv]) :
L(4,2) --> ix = 3, iv = 3
L(4,3) --> ix = 3, iv = 4
L(4,4) --> ix = 3, iv = 5
L(4,5) --> ix = 3, iv = 6
--> ix = 2, iv = 6
--> ix = 1, iv = 6
  calculating dip .. (dip_l, dip_u) = (0, 28.5319) -> new larger dip 28.5319 (j_best =
186)
'dip': LOOP-BEGIN: 2n*D= 28.532 [low,high] = [ 29,148]; l_lcm/gcm = ( 5, 7)
  while(gcm[ix] != lcm[iv]) :
L(7,2) --> ix = 6, iv = 3
L(7,3) --> ix = 6, iv = 4
G(6,4) --> ix = 5, iv = 4
G(5,4) --> ix = 4, iv = 4
L(5,4) --> ix = 4, iv = 5
--> ix = 3, iv = 5
--> ix = 2, iv = 5
--> ix = 1, iv = 5
[1] 0.06666335
```