## Grupo 2.

(1,0494,019247)

5 observaciones, 5 valores de silveta.

· obs1.

$$S(i) = \frac{b(i) - a(i)}{\max \{a(i), b(i)\}}$$

$$\max\{a(i),b(i)\}$$

$$d(a_1,a_2) = \sqrt{(-0.0352 + 0.0058)^2 + (0.0306 + 0.0050)^2}. = 0.0461.$$

$$S(1) = \frac{114056 - 0.5209}{1.4056} = 0.6294.$$

. obs 2.

$$d(a_2, a_3) = 0.0461$$
;  $a_2 = 0.5075$ .

$$S(2) = \frac{1'4063 - 0'5075}{1'4063} = 0'6391.$$

$$d(a_3,a_4) = \sqrt{(-0.0082 + 0.0352)^2 + (-0.0213 - 0.0306)^2} = 0.0585$$

$$d(a_3,a_2) = \sqrt{(-0.0082 + 0.0058)^2 + (-0.0213 + 0.005)^2} = 0.0165$$

$$d(a_3,a_4) = \sqrt{(-0.0082 - 0.0058)^2 + (-0.0213 - 0.09885)^2} = 1.473$$

a = distancia media introcluster

$$a = 0.0585 + 0.0165 + 1.473 = 0.516$$
distancia intacluster

$$d(a_3,b_4) = \sqrt{(-0.0082 - 1.0494)^2 + (-0.0213 - 0.0247)^2} = 1.4189$$

$$s(3) = \frac{1.4189 - 0.516}{1.4189} = 0.63639$$

## Observación 4

$$d(a_4, a_1) = 1.458$$
  
 $d(a_4, a_2) = 1.46$   
 $d(a_4, a_3) = 1.47$   
 $d(a_4, a_3) = 1.47$   
 $d(a_4, a_3) = 1.47$ 

$$d(a_4,b_4) = 0.0655 \qquad S(4) = \frac{0.0652 - 1.4626}{1.4626} = -0.9552$$