

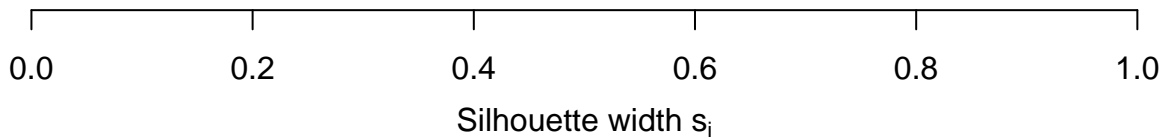
2

n = 351

2 clusters C_j
 $j : n_j \mid \text{ave}_{i \in C_j} s_i$

1 : 127 | 0.97

2 : 224 | 0.98



Average silhouette width : 0.97

3

n = 351

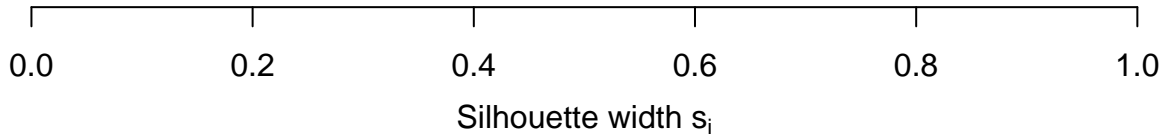
3 clusters C_j

$j : n_j \mid \text{ave}_{i \in C_j} s_i$

1 : 102 | 0.99

2 : 150 | 0.86

3 : 99 | 0.83



Average silhouette width : 0.89

4

n = 351

4 clusters C_j

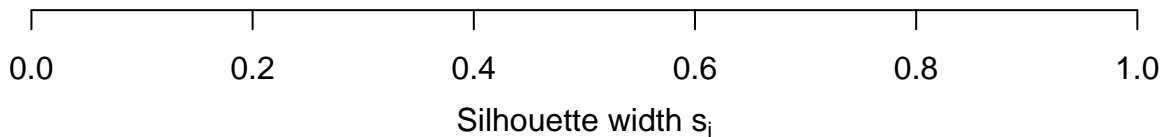
$j : n_j \mid \text{ave}_{i \in C_j} s_i$

1 : 102 | 0.95

2 : 48 | 0.81

3 : 109 | 0.81

4 : 92 | 0.81



Average silhouette width : 0.85

5

n = 351

5 clusters C_j

$j : n_j \mid \text{ave}_{i \in C_j} s_i$

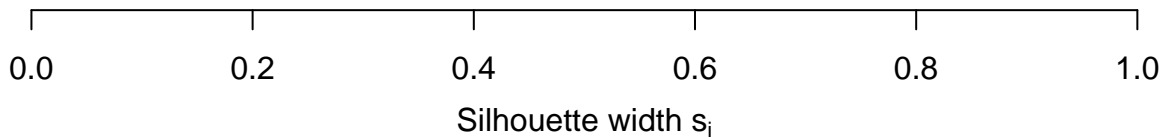
1 : 69 | 0.83

2 : 33 | 0.81

3 : 48 | 0.78

4 : 109 | 0.79

5 : 92 | 0.74



6

n = 351

6 clusters C_j

$j : n_j \mid \text{ave}_{i \in C_j} s_i$

1 : 67 | 0.76

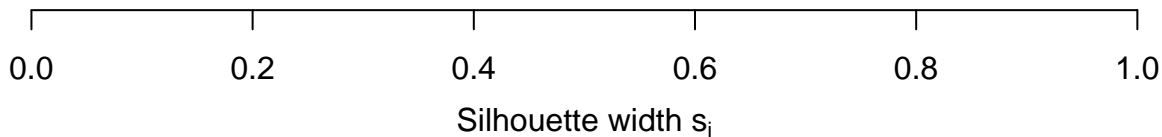
2 : 32 | 0.77

3 : 46 | 0.70

4 : 109 | 0.70

5 : 87 | 0.63

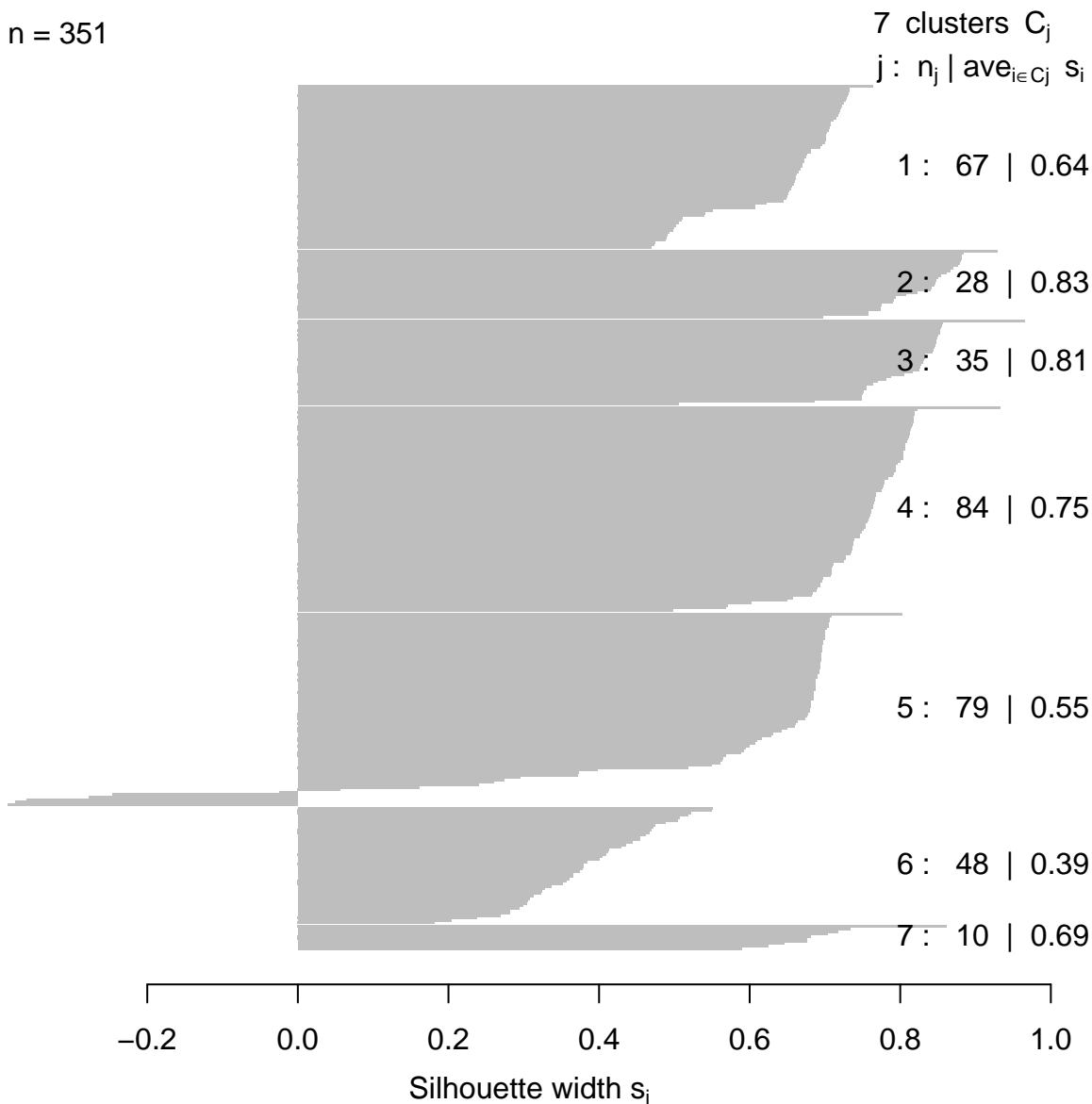
6 : 10 | 0.34



Average silhouette width : 0.69

7

n = 351



8

n = 351

8 clusters C_j

j : n_j | $\text{ave}_{i \in C_j} s_i$

1 : 40 | 0.79

2 : 28 | 0.78

3 : 35 | 0.79

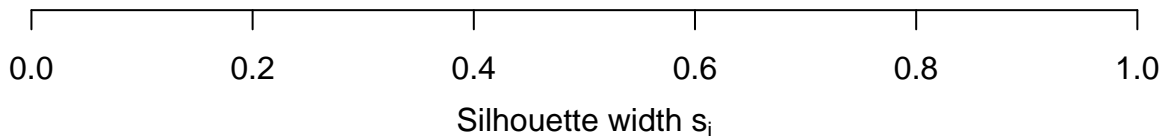
4 : 84 | 0.70

5 : 64 | 0.76

6 : 42 | 0.60

7 : 48 | 0.50

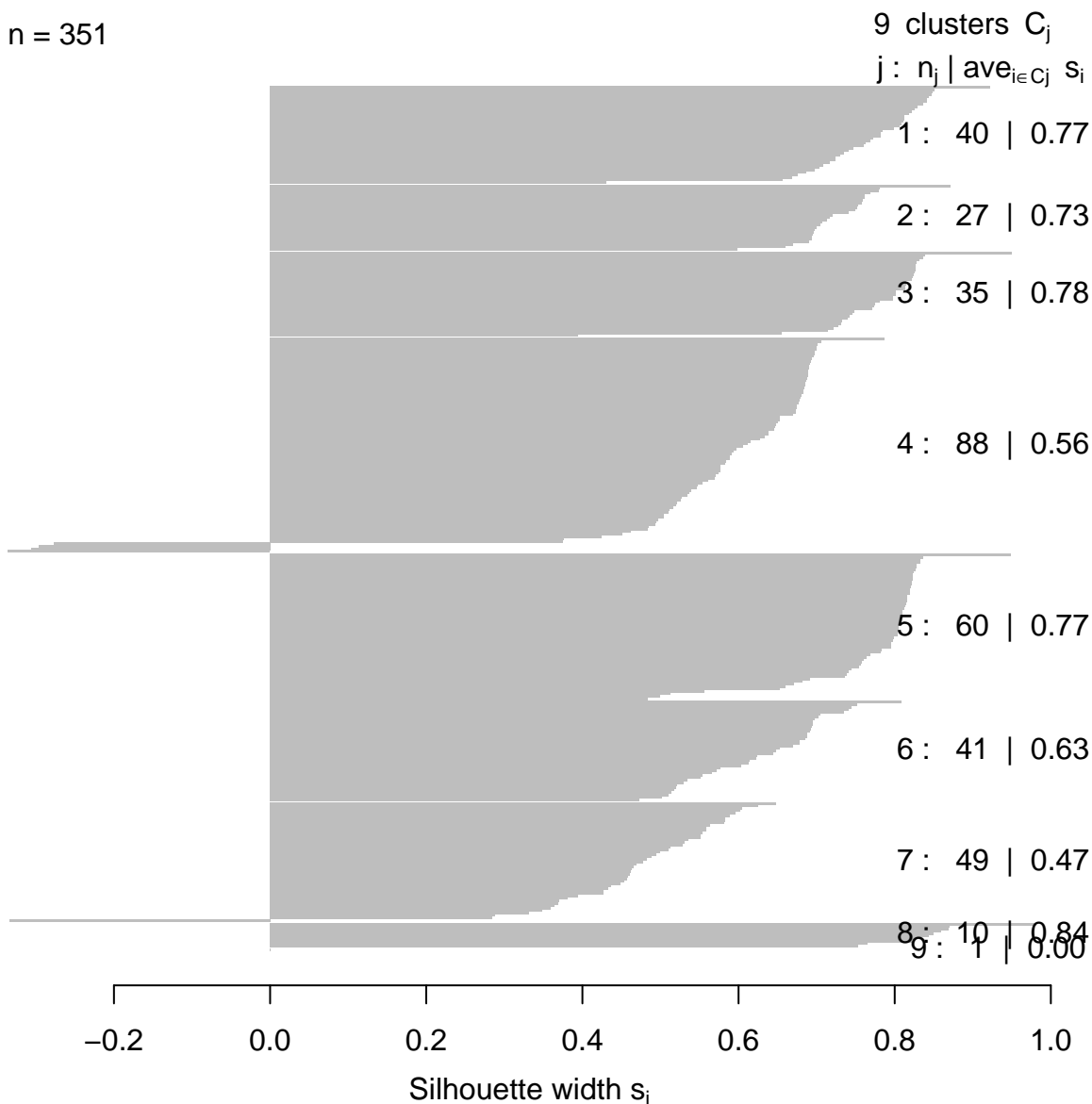
8 : 10 | 0.81



Average silhouette width : 0.7

9

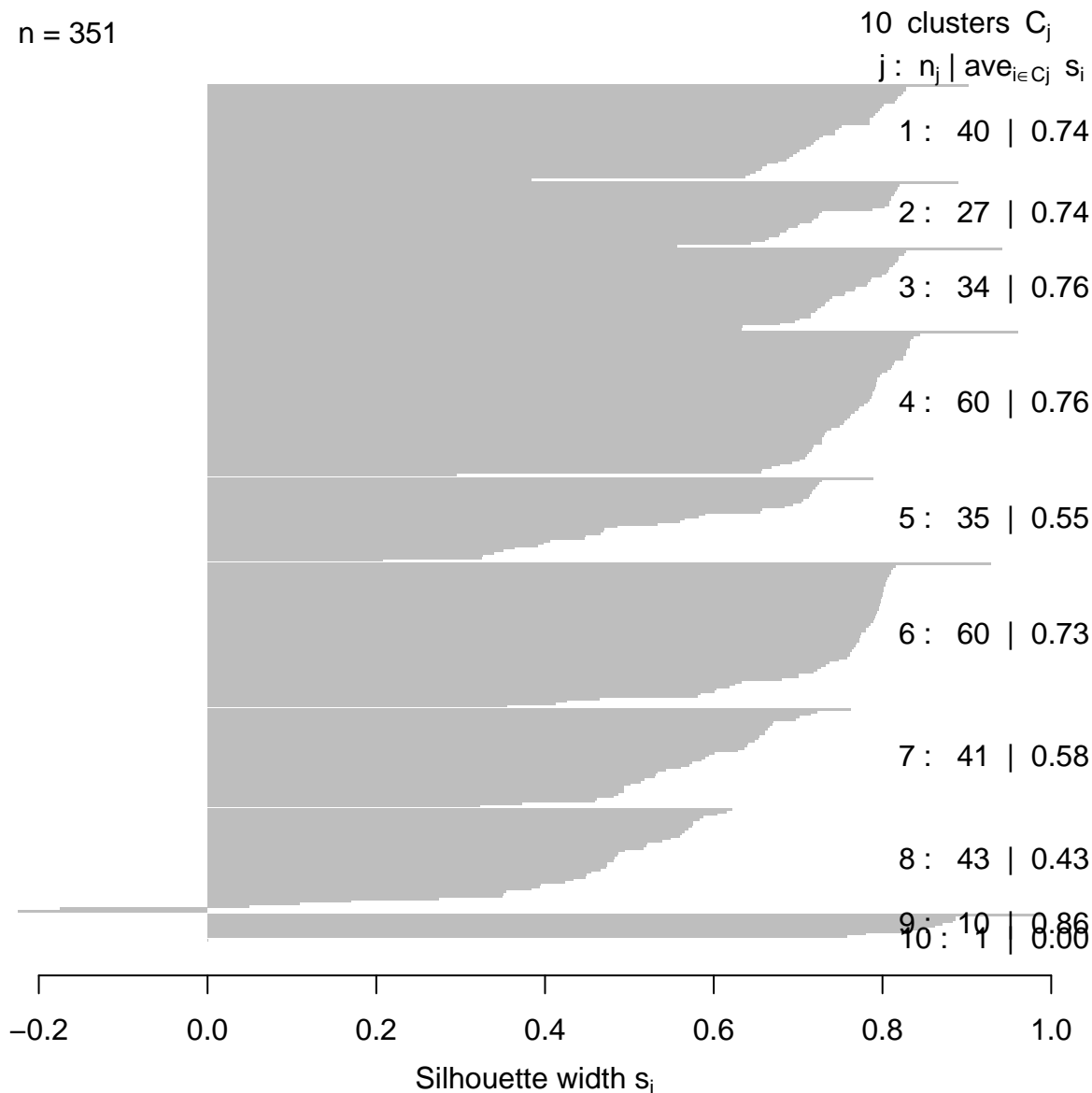
n = 351



Average silhouette width : 0.66

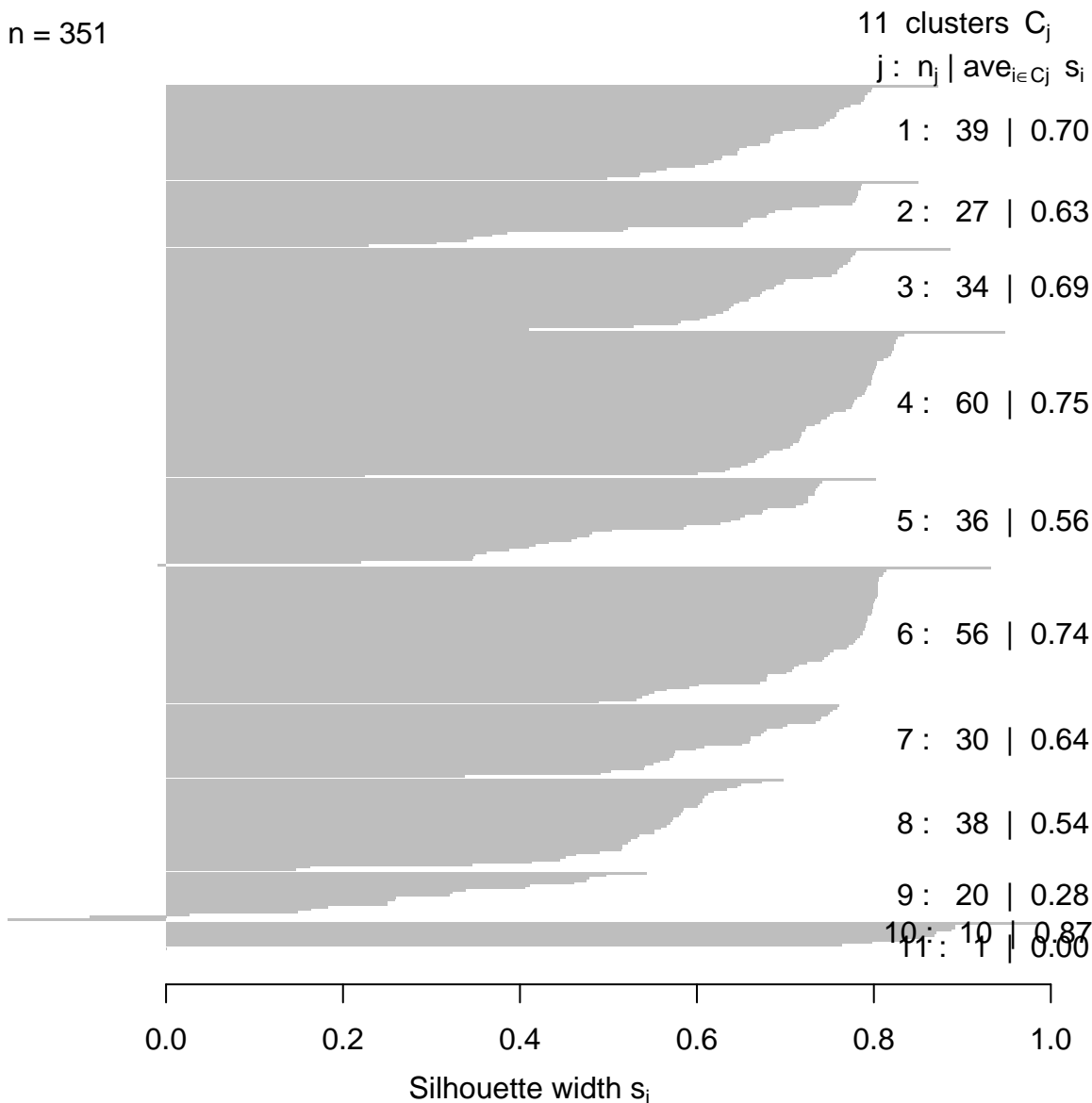
10

n = 351



11

n = 351

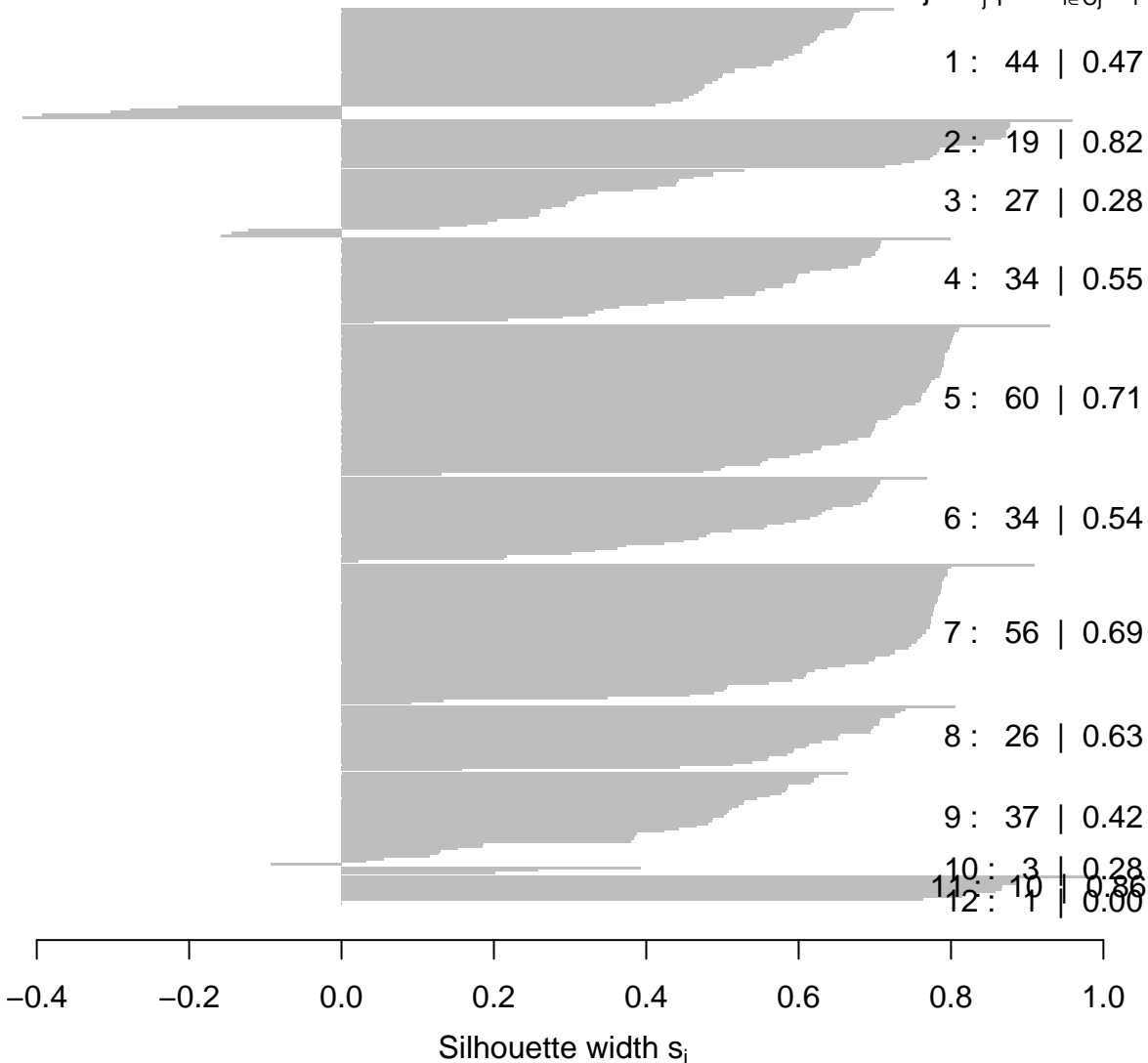


12

n = 351

12 clusters C_j

$j : n_j \mid \text{ave}_{i \in C_j} s_i$

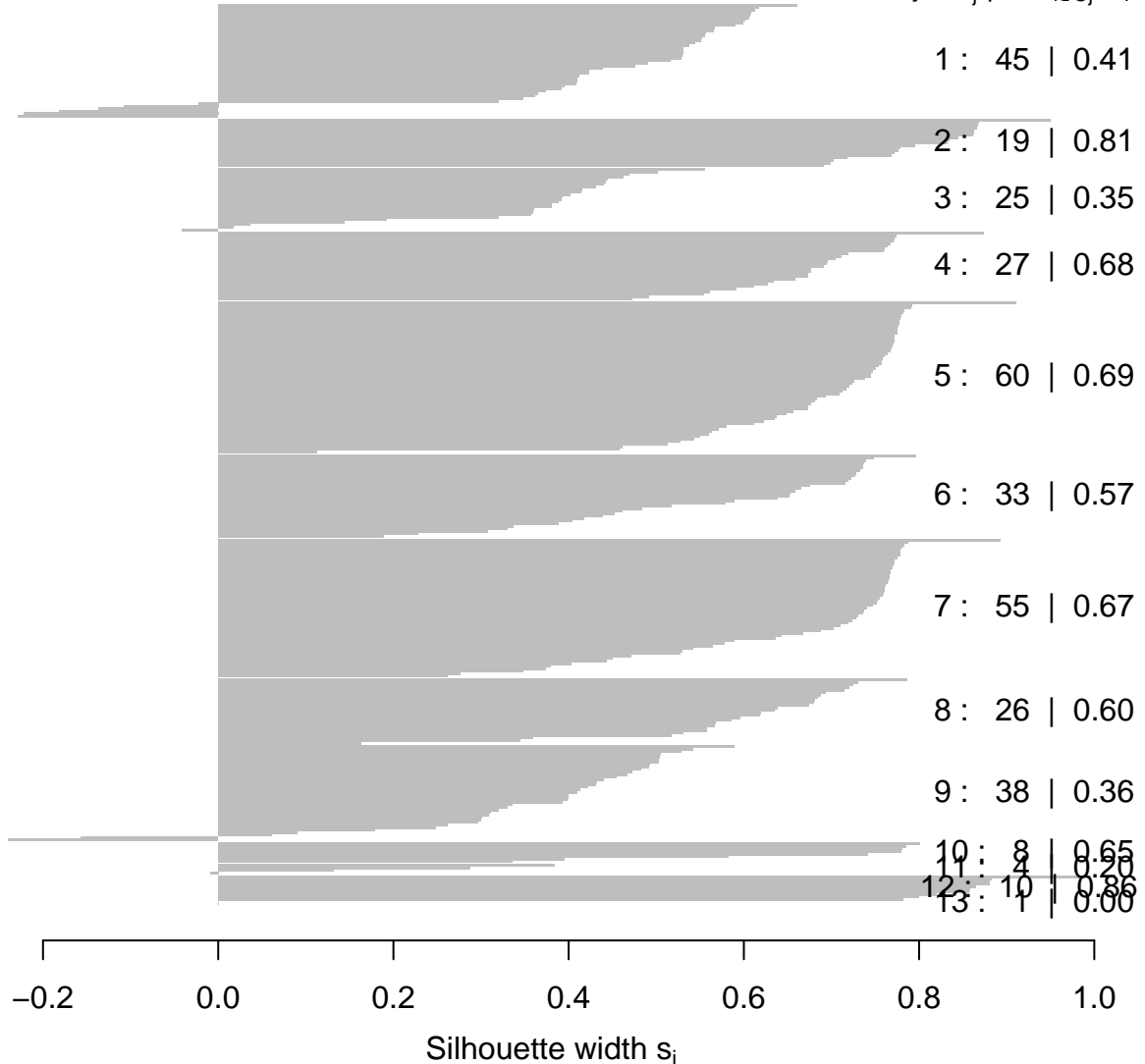


13

n = 351

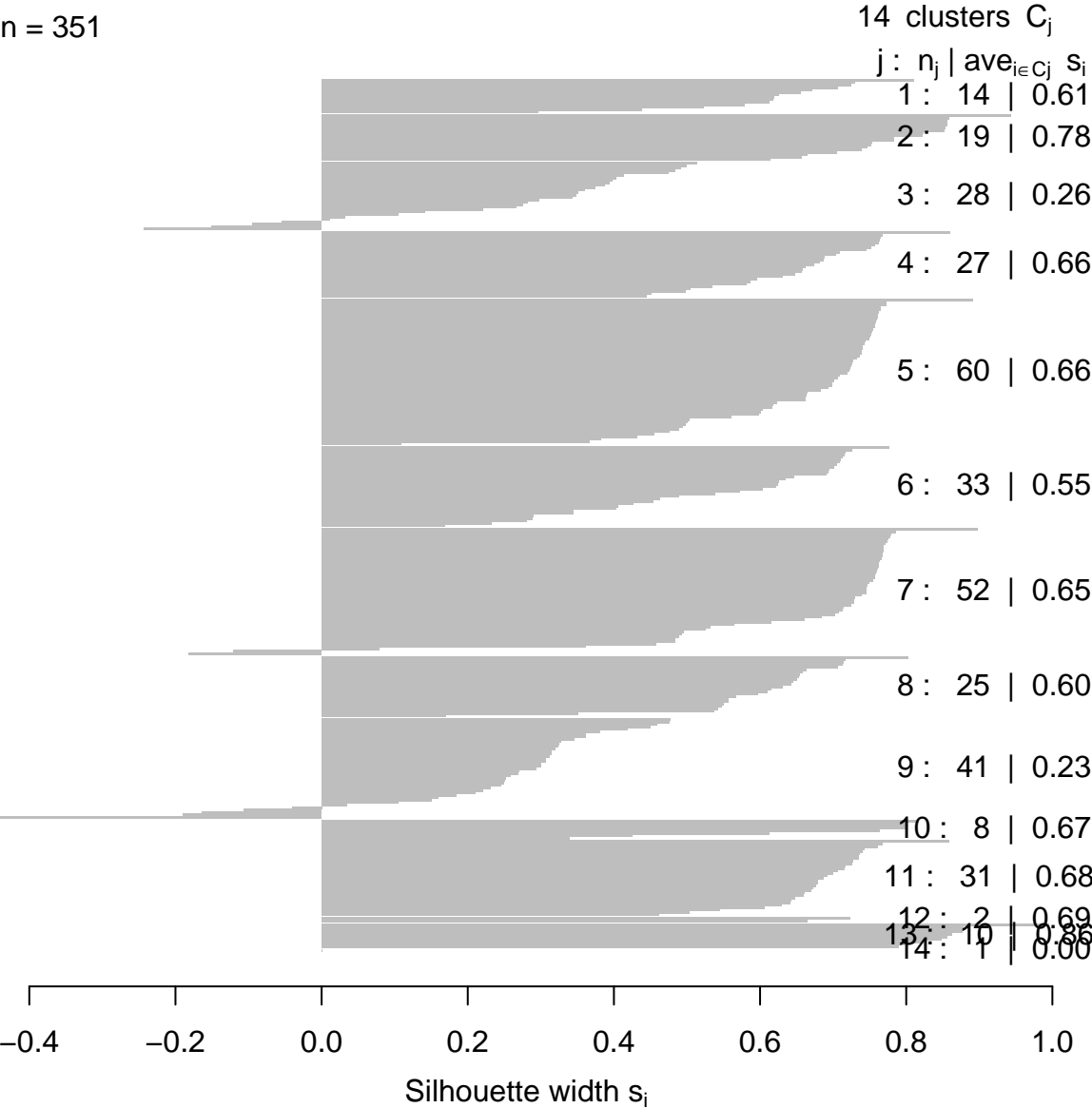
13 clusters C_j

$j : n_j \mid \text{ave}_{i \in C_j} s_i$



14

n = 351



15

n = 351

15 clusters C_j

j : n_j | $\text{ave}_{i \in C_j} s_i$

1 : 14 | 0.64

2 : 19 | 0.76

3 : 28 | 0.29

4 : 27 | 0.63

5 : 60 | 0.62

6 : 32 | 0.50

7 : 54 | 0.60

8 : 25 | 0.59

9 : 26 | 0.52

10 : 15 | 0.37

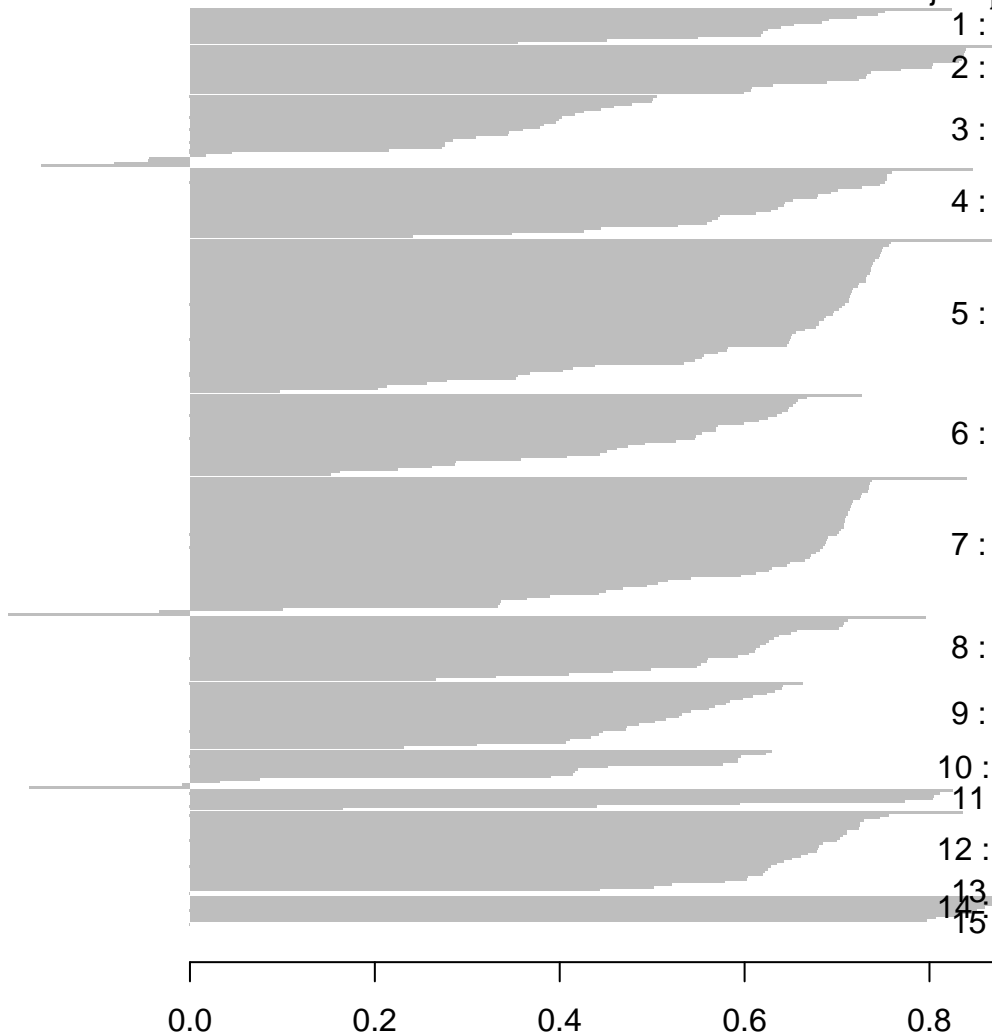
11 : 8 | 0.65

12 : 31 | 0.66

13 : 1 | 0.00

14 : 10 | 0.86

15 : 1 | 0.00



Average silhouette width : 0.58

