

Fig. 1 Result of standard hierarchical agglomerative clustering (i.e. crisp partitions) with the centroid method on the well-known Iris data, attributes `petal_length` (horizontal) and `petal_width` (vertical). The colors encode the step in which clusters are merged (from bottom to top on the color bar shown on the right); the data points are shown in grey.

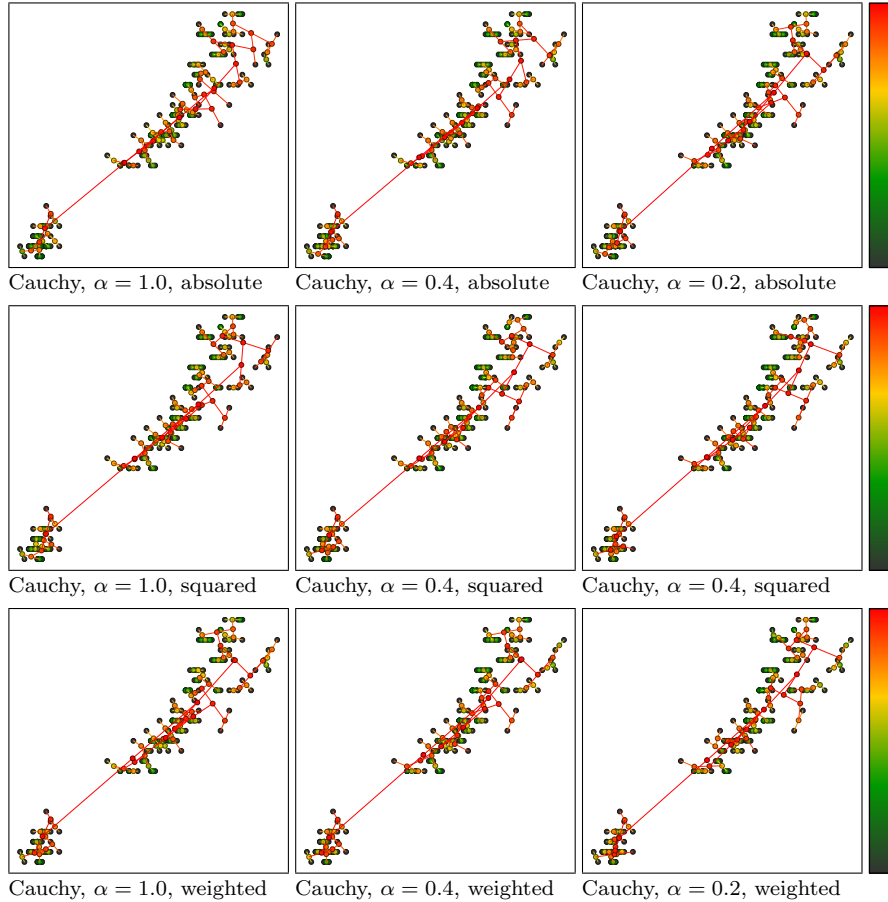


Fig. 2 Results of different versions of agglomerative fuzzy clustering with the Cauchy function on the Iris data, attributes `petal_length` (horizontal) and `petal_width` (vertical).

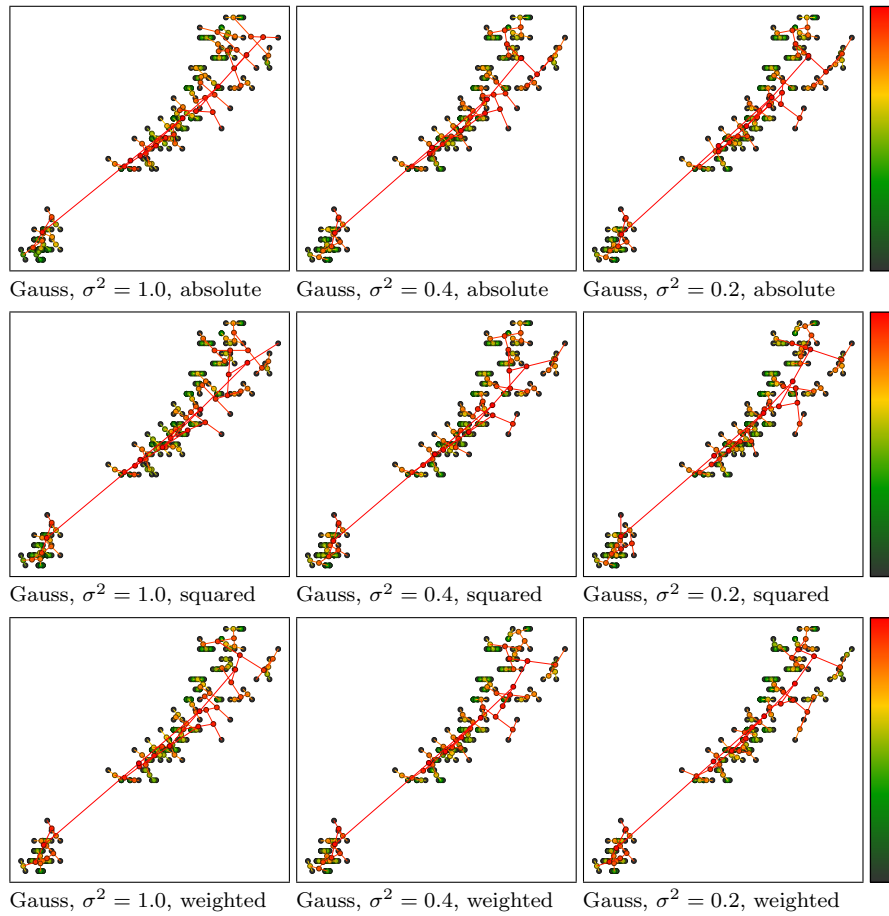


Fig. 3 Results of different versions of agglomerative fuzzy clustering with the Gaussian function on the Iris data, attributes petal_length (horizontal) and petal_width (vertical).

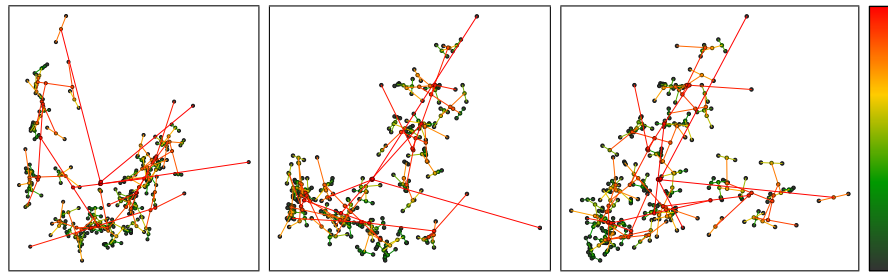


Fig. 4 Result of standard hierarchical agglomerative clustering (i.e. crisp partitions) with the centroid method on the Wine data, attributes 7 and 10 (left), 7 and 13 (middle) and 10 and 13 (right). The colors encode the step in which clusters are merged (from bottom to top on the color bar shown on the right); the data points are shown in grey.

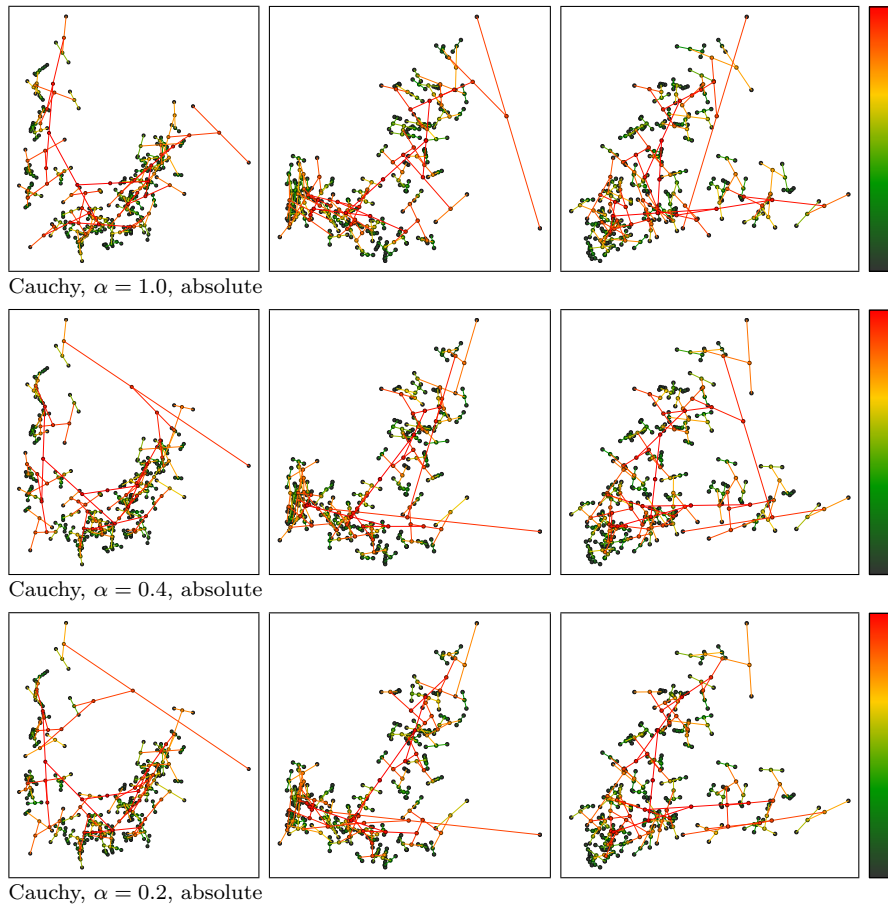


Fig. 5 Results of different versions of agglomerative fuzzy clustering with the Cauchy function on the Wine data, projections to attributes 7 and 10 (left), 7 and 13 (middle) and 10 and 13 (right).

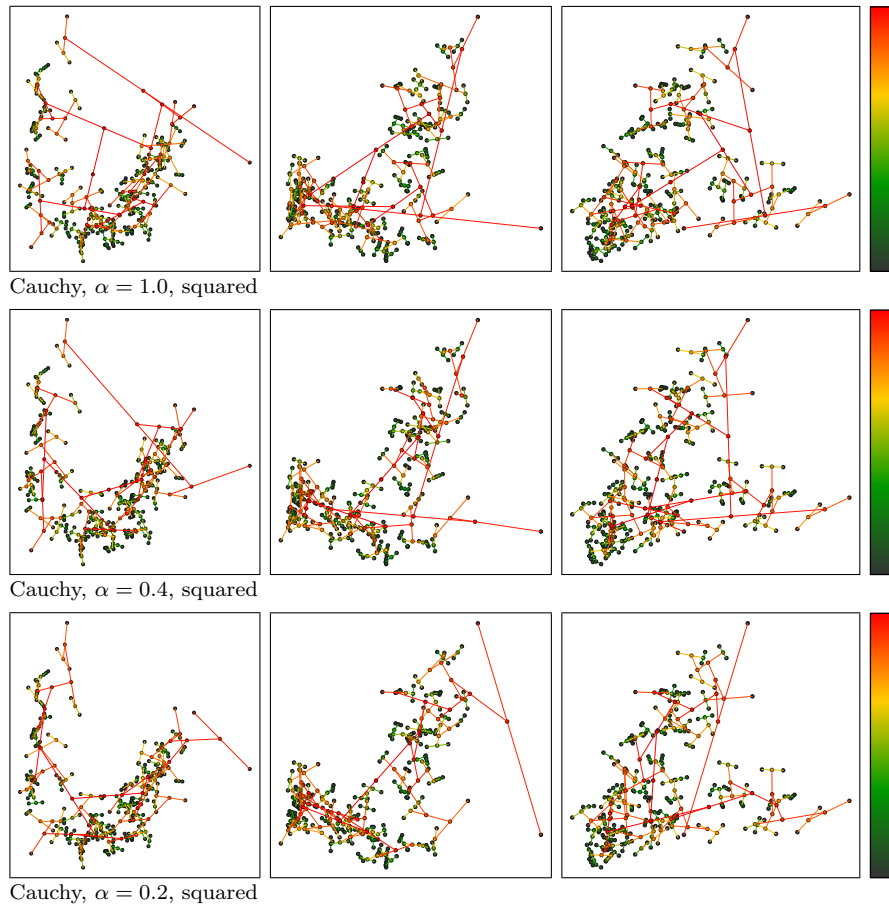


Fig. 6 Results of different versions of agglomerative fuzzy clustering with the Cauchy function on the Wine data, projections to attributes 7 and 10 (left), 7 and 13 (middle) and 10 and 13 (right).

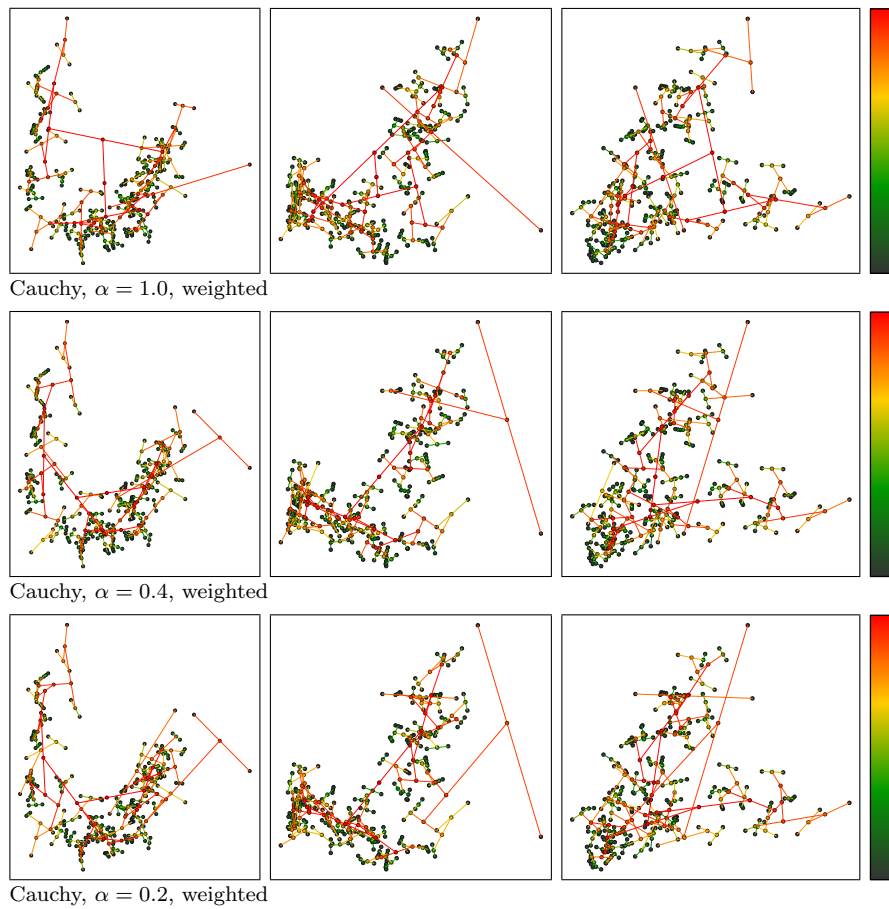


Fig. 7 Results of different versions of agglomerative fuzzy clustering with the Cauchy function on the Wine data, projections to attributes 7 and 10 (left), 7 and 13 (middle) and 10 and 13 (right).

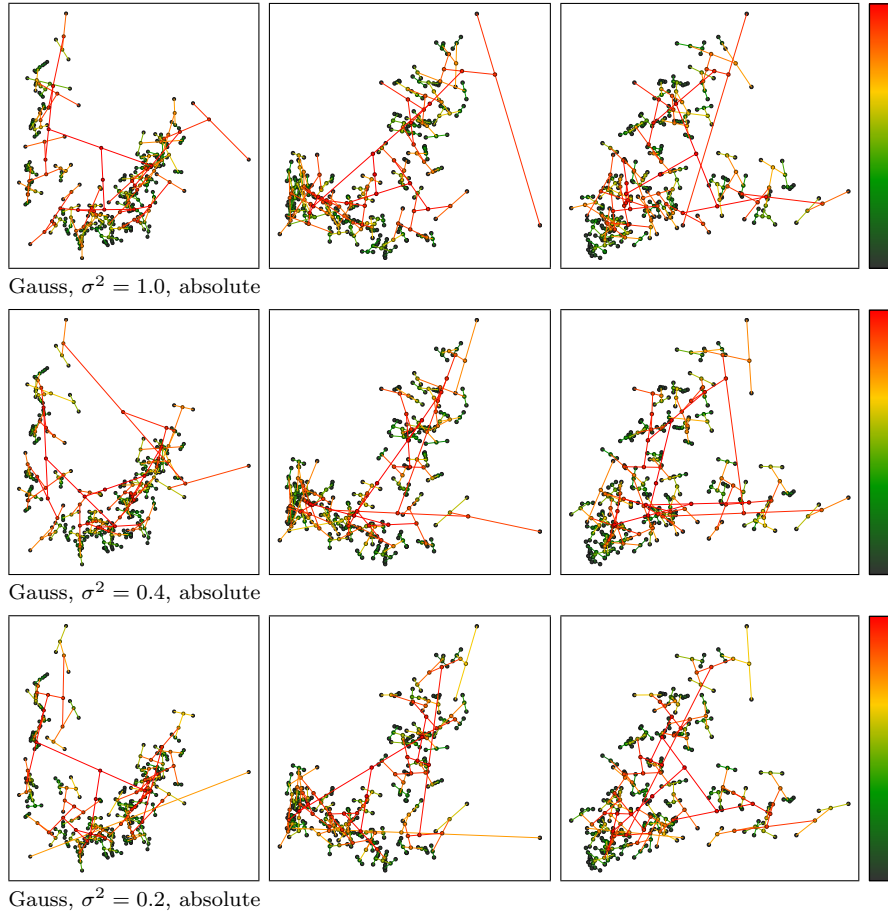


Fig. 8 Results of different versions of agglomerative fuzzy clustering with the Gaussian function on the Wine data, projections to attributes 7 and 10 (left), 7 and 13 (middle) and 10 and 13 (right).

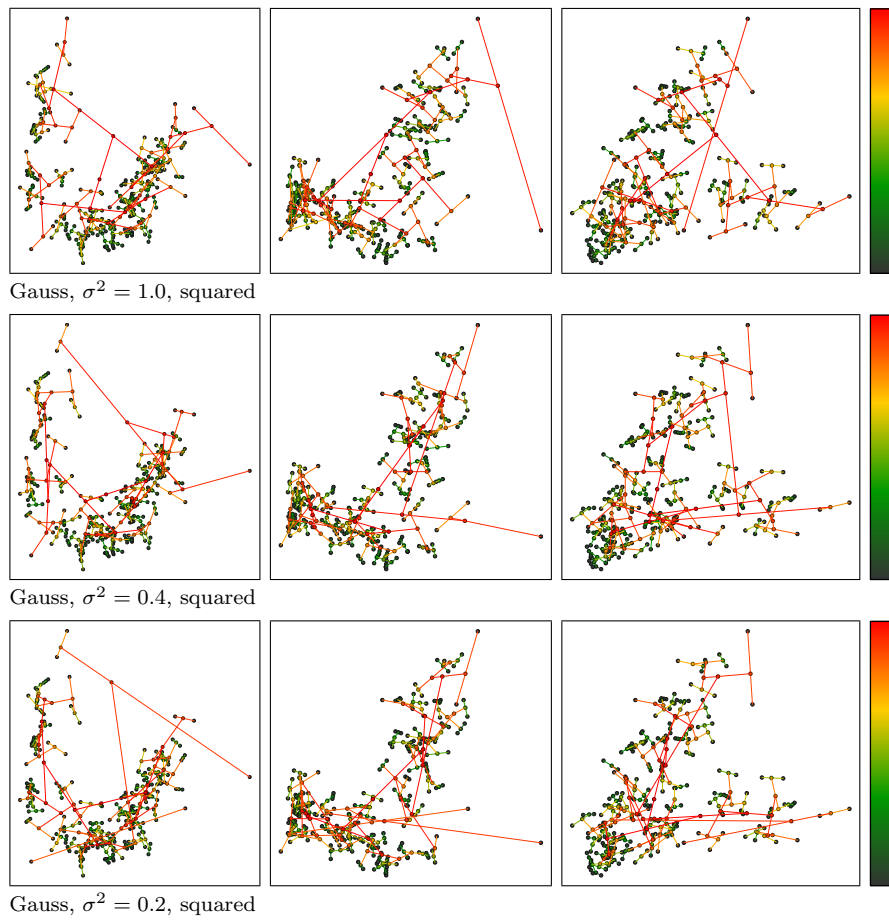


Fig. 9 Results of different versions of agglomerative fuzzy clustering with the Gaussian function on the Wine data, projections to attributes 7 and 10 (left), 7 and 13 (middle) and 10 and 13 (right).

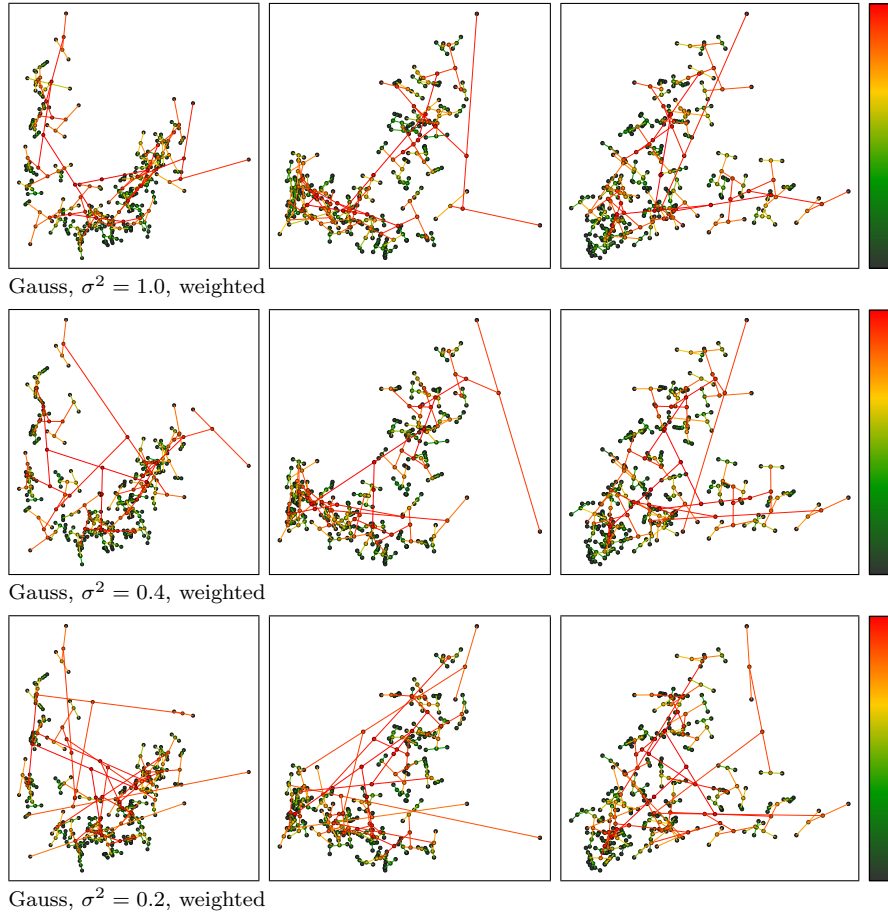


Fig. 10 Results of different versions of agglomerative fuzzy clustering with the Gaussian function on the Wine data, projections to attributes 7 and 10 (left), 7 and 13 (middle) and 10 and 13 (right).