

Supplementary Data File 9: This shows the Hierarchical Cluster analysis , climate data .

Classification

Dataset res.PCA

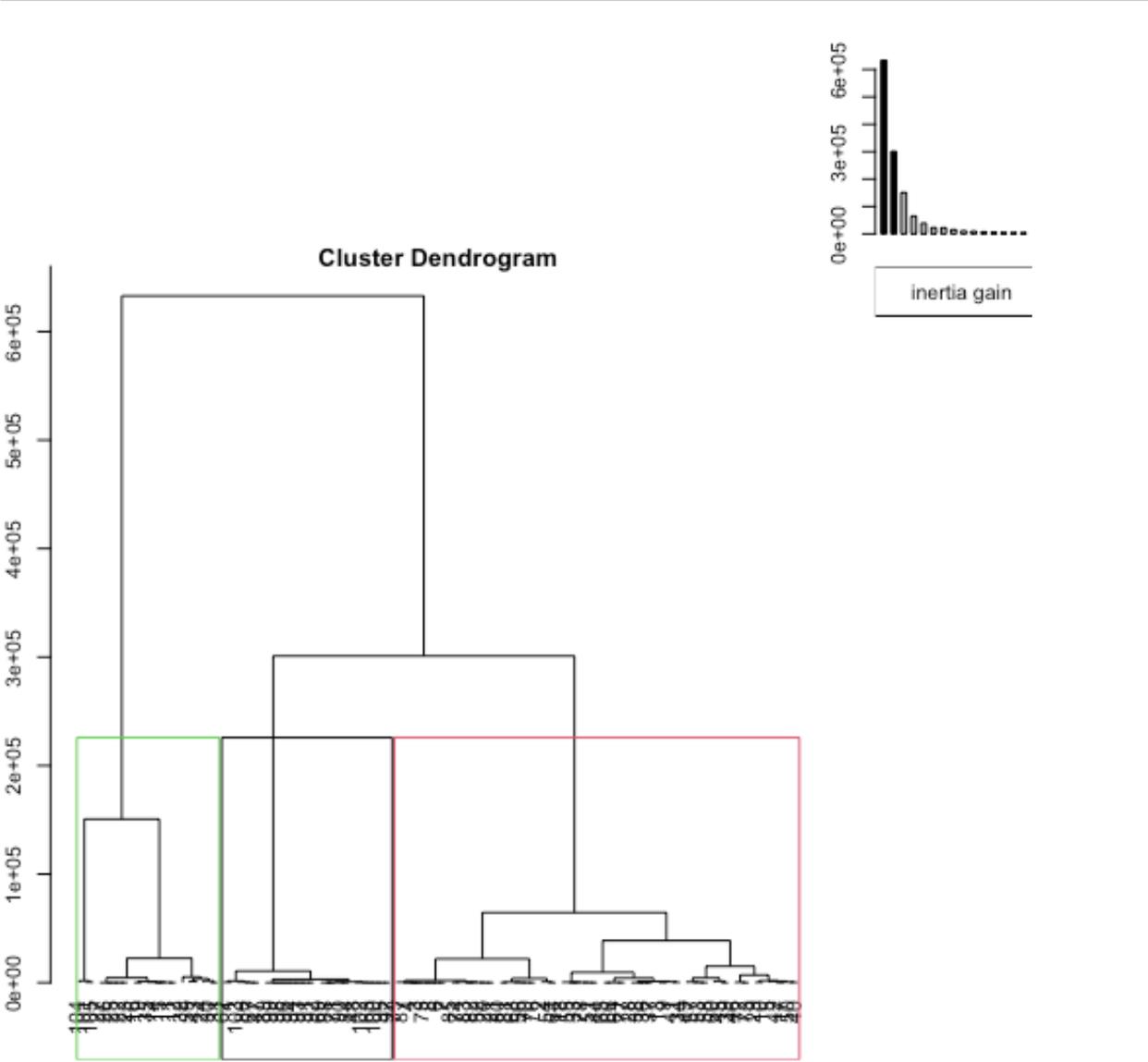


Figure 1.1 - Hierarchical tree.

- low values for the variables *Isothermality*, *Annual.Precipitation.(mm)*, *Precipitation.of.Warmest.Quarter*, *Precipitation.of.Coldest.Quarter*, *Precipitation.of.Wettest.Quarter*, *Precipitation.of.Wettest.Month*, *Precipitation.of.Driest.Quarter*, *Tmin* and *Precipitation.of.Driest.Month* (variables are sorted from the weakest).

The **cluster 2** is made of individuals such as 41, 45 and 60. This group is characterized by :

- low values for the variables *Tmax*, *Mean.Temperature.of.Wettest.Quarter*, *Temperature.Seasonality*, *Mean.Temperature.of.Warmest.Quarter*, *TRange*, *Annual.Mean.Temperature*, *Mean.Diurnal.Range* and *Annual.Precipitation.(mm)* (variables are sorted from the weakest).

The **cluster 3** is made of individuals such as 30, 31, 43, 59, 101, 104 and 105. This group is characterized by :

- high values for the variables *Annual.Precipitation.(mm)*, *Precipitation.of.Coldest.Quarter*, *Precipitation.of.Wettest.Month*, *Precipitation.of.Wettest.Quarter*, *Precipitation.of.Driest.Quarter*, *Isothermality*, *Precipitation.of.Warmest.Quarter*, *Precipitation.of.Driest.Month* and *Tmin* (variables are sorted from the strongest).
- low values for the variables *Temperature.Seasonality*, *Precipitation.Seasonality*, *TRange*, *Mean.Temperature.of.Warmest.Quarter*, *Tmax*, *Mean.Diurnal.Range* and *Mean.Temperature.of.Wettest.Quarter* (variables are sorted from the weakest).

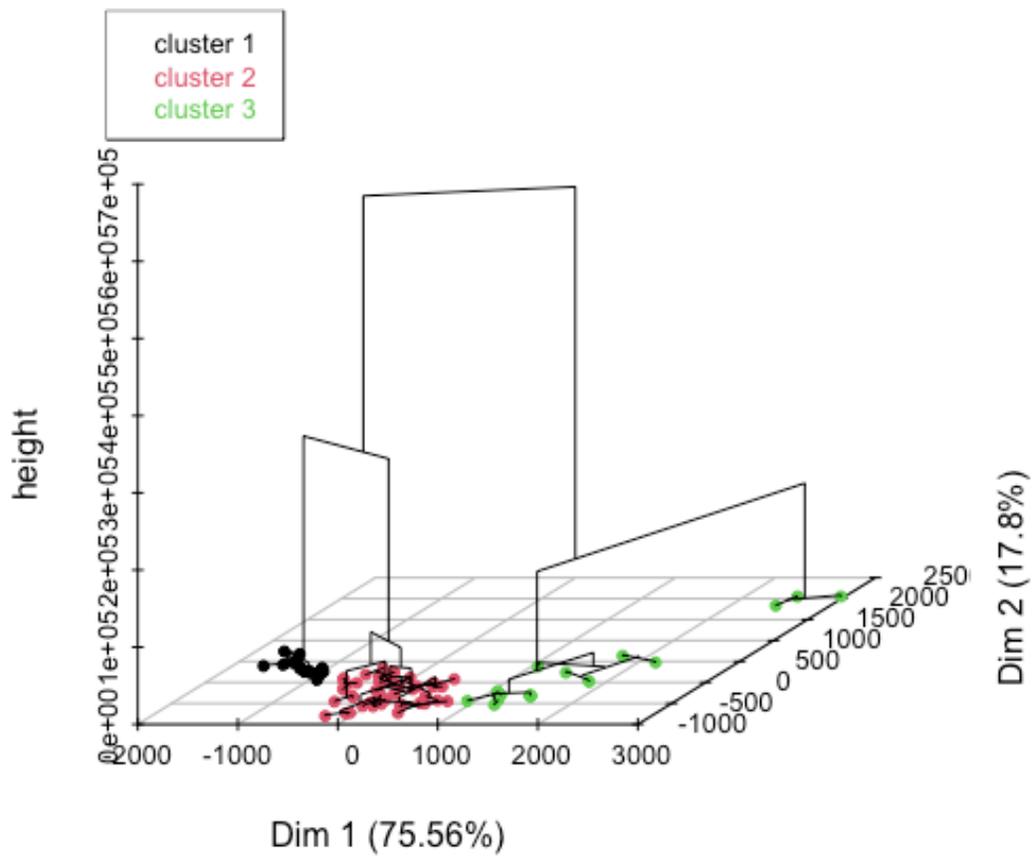


Figure 1.3 - Hierarchical tree on the factorial map.

The hierarchical tree can be drawn on the factorial map with the individuals colored according to their clusters.