Cluster Analysis

The cluster analysis has been performed to examine the relationships between the soil CO_2 emissions and the air CO_2 concentration with more detail. The goal of this analysis consists in identifying few groups of data that are internally homogeneous (i.e., similarity criteria) and heterogeneous each others.

The slopes of the fitting lines of the dataset collected at the height of 20 cm above the ground were almost one order of magnitude greater than those from the height of 150 cm. The closer the atmospheric layer is to the ground the stronger is the effect of the soil CO_2 emission on the air CO_2 concentration.