Abstract

From historical database of virgin olive oil elaboration process and data mining techniques can be extracted useful information of the process to its optimization. In this work data from an analytical and process variables database, collected trough four crop years, was used and a spurious data filtration and a tree decisional J48 algorithm based protocol was applied. The results obtained allow see the oil mill behavior under different conditions of process variables accord two objectives: the performance by the oil loss in olive cake and oil quality by the oil polyphenols content. This information extracted can allow the building of rules for variables combination to get the objectives.

References


Index Terms

Computer Science

Data Mining
Keywords

Data Mining, Olive Oil, EVOO Process, Optimization, Olive Cake, Polyphenols