

## Quantitative Ranking Evaluation of Wine Quality

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**Abstract :** Today, wine quality is only evaluated by wine experts with their own different personal tastes, even if they may agree on some common features. So producers do not have any unbiased way to independently assess the quality of their products. A tool is here proposed to evaluate wine quality by an objective ranking based upon the variables entering wine elaboration, and analysed through principal component analysis (PCA) method. Actual climatic data are compared by measuring the relative distance between each considered wine, out of which the general ranking is performed.

**Keywords :** wine, grape, weather conditions, rating, climate, principal component analysis, metric analysis

**Conference Title :** ICABFNS 2016 : International Conference on Agricultural Biotechnology, Food and Nutritional Sciences

**Conference Location :** Barcelona, Spain

**Conference Dates :** February 15-16, 2016