Nonlinear Multivariate Analysis as a tool to validate the theory of *Worlds of Production*: the case of Spanish wine production.

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Worlds of Production (Salais & Storper, 1997) are defined as coherent combinations of micro-decisions taken over time by the interaction among producers and customers about two main decision-making: the use of either standardized or specialized resources, and the production of either generic or dedicated goods. These theorists identify through empirical knowledge up to four possible Worlds of Production (WPs): *Industrial, Network, Interpersonal* and *Innovation*.

This study, try to validate the theory of the WPs by analysing data through a nonlinear multivariate technique of the Gifi system: Nonlinear canonical correlation analysis (NLCCA), as scientific tool for classifying clusters into the aforementioned fourfold typology of WPs. The Spanish wine labelled with the Protected Designation of Origin (PDO) quality scheme, supplies the empirical material for this methodological essay.

A sample of nine Spanish wine, which encompassed 453 producers in 2009 and accounted for 11,58% of the Spanish wine labelled with the PDO, supplies the statistical data for this methodological essay.

The results obtained with wine data available using NLCCA, show that it is not possible to reproduce the theoretical four WPs in the Spanish wine production with PDO, which it is probably determined by the special geographical and historical characteristics that wineries studied have. Emphasis is placed on graphical display of the three obtained groups, and description on these three groups is presented. A comparison of the results with the four theoretical worlds is also discussed.

References

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