Trivedi, A., & Sehrawat, R. (2018). Wine Quality Detection through Machine Learning Algorithms. *Wine Quality Detection Through Machine Learning Algorithms*.

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A. Trivedi and R. Sehrawat's paper "Wine Quality Detection through Machine Learning Algorithms" presented during the ICRIEECE, 2018 in Bhubaneswar, India explores the possibility of wine quality detection using machine learning methods The research can be seen as a critical contribution at the confluence between technologies and enology.

The authors undertook a descriptive analysis of various machine learning algorithms such as LR and RF. The aim here was to test the ability of such models to detect the quality of wine. Although such a venture promises much for the wine industry, it stands to be of great importance for winemakers and wine consumers alike as prediction of wine quality is a vital aspect.

Machine learning methods were used in this study to predict the values for test variables. In an attempt to develop algorithms that could give realistic forecasts on the quality of wine given the features, the authors trained the systems using historical data. Predictive capabilities will give crucial information to winemakers regarding the choice of grapes and enhancements to upgrade the quality.

Essentially, this paper provides a unified model that uses past data and computer-based algorithms for the prediction of wine quality. With big data, winemakers can take winemaking to a new level, thus refining how wines may be experienced today. In addition, wine lovers will have a better evaluation of wine quality that they would use for decision-making on purchases. This paper outlines the union of technology and winemaking, shedding light on how machine learning could transform the wine industry and foreshadows a world in which wine quality is predicted more accurately than ever before.