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Sensory profiling and qualities of research Cabernet Sauvignon and Chardonnay wines; quality discrimination depends on greater differences in multiple modalities.

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Abstract

The sensory profiles of Cabernet Sauvignon and Chardonnay research wines were determined and analysed together with wine quality scores of expert judges. Research Cabernet Sauvignon and Chardonnay wines from three and two vintages, respectively were evaluated. Wines of both varieties were produced with grapes harvested from across South Australian wine making regions throughout 2013 - 2016 vintages. Wines within varieties were vinified identically across samples and also across vintages. Wines were profiled in triplicate using descriptive analysis with a panel of trained assessors (n = 9 - 11) and graded for quality in triplicate by winemakers (n = 6 - 9) using a sorting task based on similarity of quality and with the aid of definitions formed by the winemakers prior to sorting. The data sets were analysed using canonical variate analysis (CVA) and multidimensional scaling

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