

Wine data set

The wine dataset (file wine.csv) contains the values of log-concentrations of nineteen chemical compounds on 149 samples of Chilean red wines. The grape varieties in the dataset are Cabernet Sauvignon (code=1) (101 samples), Merlot (code=2) (19 samples) and Carménère (code=3) (29 samples). All wine samples come directly from wineries located in the valleys of Aconcagua (code=1), Maipo (code=2), Rapel (code=3), Curicó (code=4) and Maule (code=5). Most of the samples come from 2004 vintage and some of them from 2002 vintage. The names of variables V1 to V19 in the file wine.csv are described in Table 1:

Anthocyanins	Organic Acids	Flavonols
V1=Delphinidin-3-glucoside	V10=Tartaric	V14=Myricetin
V2=Cyanidin-3-glucoside	V11=Shikimic	V15=Quercetin
V3=Petunidin-3-glucoside	V12=Lactic	V16=Total myricetin
V4=Peonidin-3-glucoside	V13=Acetic	V17=Total quercetin
V5=Malvidin-3-glucoside		V18=Conjugate myricetin
V6=Peonidin-3-acetylglucoside		V19=Conjugate quercetin
V7=Malvidin-3-acetylglucoside		
V8=Peonidin-3-coumaroylglucoside		
V9=Malvidin-3-coumaroylglucoside		

Table 1: Measured compounds