

Student	Chen Tao	74
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Part 1

	Available	Marks
Generate WineSamples dataframe	5	4
Add proline categories	10	7
Add ratio of hue to colour intensity	5	5
Generate WineSummary	5	5
Add descriptive data for alcohol and phenols	10	7
Identify high/v. high proline levels	10	6
Commenting and use of white space	5	5
Comments Good upload, but you should explain why you filtered the dataset – justify removing the NAs. Using the quantiles to define the categories is good, although you don't need to convert it to a factor. Good elegant calculation of the ratio. Creation of WineSummary is good. Good calculation of mean and standard deviation, although you could have done it more efficiently using the aggregate() function. Commenting and use of white space are good. This all works, but it would have been good to see more of it implemented using functions.		

Part 2

	Available	Marks
Create the countryData dataframe	5	5
Create the CovidSymmary dataframe	15	12
Check the data for normality and process accordingly	10	6
Perform the appropriate t-tests	5	3
Perform the appropriate ANOVA tests	10	4
Commenting and use of white space	5	5
Comments Good creation of CovidSummary – simple and elegant code. It would be better, though, to show the range as “123 – 456”. The process for normalisation is correct, but you should have taken all of the individual data points for the two periods, not simply the summary data. The code for the t-test is fine but you must define the null and alternate hypotheses in the comments before performing the test. Again, you should have taken all of the individual data points for the two periods, not simply the summary data. The ANOVA process is fine, but you should have filtered for the appropriate countries rather than the whole dataset. Commenting and use of white space is good. This all works, but it would have been good to see more of it implemented using functions.		