Problem n.1

The files `red.txt` and `white.txt` contain the percentage of alcohol, the density and the acidity of 21 bottles of red wine and 33 bottles of white wine respectively.

a) Perform a statistical test of level 95% to verify if the mean of the three variables differ for red and white wines.

b) Report the mathematical expression and the centre of the rejection region and value of the test statistics.

c) Compute and report the p-value of the test at point (a).

d) Which are the assumptions of the previous test? Are they met?

e) Interpret the results of the test at point (a) through three Bonferroni intervals of global level 95% for appropriate differences in the mean. Comment the result.

Upload your results here:
https://forms.office.com/Pages/ResponsePage.aspx?id=K3EXCvNtXUKAjjCd8ope6-9AS0GWf2lHjvGX24Hiq
FVUNDlGT1lIUlE4MVg1ROxCWFIwMlJMQjFBVC4u