

Student	Lowri Proctor	83%
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Part 1

	Available	Marks
Import data and generate data frame	5	4
Generate summary data frame with appropriate headers	15	13
Add correlation data to summary data frame	15	10
Calculate non-oxygen percentages and add to data frame	10	8
Commenting, white space and code presentation	5	3
TOTAL		38
Comments There's no need to extract the unique glass types; you could have just created the vector including the glass names directly. More use of functions would be good practice. Correlations are done well, but the highest correlation for headlamps is silicon, not magnesium; remember, the sign of the correlation does not matter. Calculation for oxygen is fine, but it's generally good practice to define the functions at the start of the script rather than defining it in the middle of the code. It's also useful to display the requested data frames in the console.		

Part 2

	Available	Marks
Import data and generate data frame	5	5
Create summary data frame with descriptive statistics	15	12
Clean and normalise data	10	10
Perform t-test	5	5
Perform ANOVA test	10	8
Commenting and use of white space	5	5
TOTAL		45
Comments More use of functions would be good practice. There's no point in displaying summary statistics to 17 figures; round them off to 2 decimal places. Good labelling of the plots. Good ANOVA, although a better wording for the hypotheses would be H0: There are no differences in the means between countries H1: There are significant differences between the means between countries.		