

Student	Jessica Marfell	78%
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Part 1

	Available	Marks
Import data and generate data frame	5	2
Generate summary data frame with appropriate headers	15	12
Add correlation data to summary data frame	15	8
Calculate non-oxygen percentages and add to data frame	10	9
Commenting, white space and code presentation	5	3
TOTAL		34
Comments Be careful with your data file paths. The question specifically states that the data file should be in the same folder as the script. More use of functions would be good practice. Displaying the data frame initially with 1,2,3,4,5,6 is a bit confusing. Headlamps should be silicon, not magnesium; the sign of the correlation doesn't matter, just its magnitude. You should have written code to automatically add the correct metal to the summary rather than hard coding it. Good rounding of oxygen percentage in the data frame. Commenting is a bit sparse in places where things are repeated; this can be important to show which repetition you're doing. They're also too wide to read within the script panel.		

Part 2

	Available	Marks
Import data and generate data frame	5	2
Create summary data frame with descriptive statistics	15	15
Clean and normalise data	10	10
Perform t-test	5	4
Perform ANOVA test	10	10
Commenting and use of white space	5	3
TOTAL		44
Comments Be careful with your data file paths. Very good use of dplyr and select/filter approach, but I'd suggest making the comment that you've added the dplyr package a lot more obvious. Data processing is good, but you need to define your hypotheses as the start of the experiment, not the end. ANOVA analysis is good.		

