

Student	Alan Hather	89%
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Part 1

	Available	Marks
Load <i>iris.xlsx</i> data into data frame	3	3
Headers are correct	1	1
Species names are a factor	1	1
Loop for <i>iris Setosa</i>	4	4
Loop for <i>iris Versicolour</i>	4	4
Loop for <i>iris Virginica</i>	4	4
Binding results to <i>irisSummary</i>	3	1
Pearson correlation	5	5
Labelled scatterplot	5	5
Correct use of function	3	3
Calculation for <i>iris Setosa</i>	3	3
Calculation for <i>iris Versicolour</i>	3	3
Calculation for <i>iris Virginica</i>	3	3
Binding results to <i>irisSummary</i>	3	1
Commenting, white space, and code presentation	5	2
Comments The script should start with a comment giving the filename, author name, and purpose of the script. Similarly, a function should have an initial comment giving name, parameters passed to it, purpose, and values returned. More commenting throughout would be helpful. Excellent code for generating the values for <i>irisSummary</i>, but you've created the data frame inside a function, returned it from the function, but not assigned it to anything in the main body of the script so it doesn't appear in the data window. Again, you've done the calculations for area well, but it isn't bound to the <i>irisSummary</i> data frame.		

Part 2

	Available	Marks
Load <i>Kicks.xlsx</i> into <i>kickData</i> data frame	5	5
Generate statistics for air-filled balls	7	7
Generate statistics for helium-filled balls	7	7
Binding results to <i>kickSummary</i>	1	1
Removing the outliers	10	9
Performing the t-test	5	5
Extract data for Neil	4	4
Extract data for Jonny	4	4
Test for significant difference	2	2
Commenting, white space, and code presentation	5	2
Comments The script should start with a comment giving the filename, author name, and purpose of the script. Similarly, a function should have an initial comment giving name, parameters passed to it, purpose, and values returned. More commenting throughout would be helpful. Good use of the function to generate the summary. Good interpretation of the Shapiro test; if the data is normal then you don't need to remove any outliers. Outlier removal process is good. The t-test is good and correctly interpreted. Good processing of the data for Neil and Jonny. Excellent work		

0 – Nothing submitted

3 – Major errors and no comments

4 – Minor errors, code does not work

5 – Code works, no comments

6 – Code works, minor comments

7 – Code works, good comments

8+ – Elegant code, fully commented and explained