

Student	Alex Mardare	20%
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Part 1

	Available	Marks
Load <i>iris.xlsx</i> data into data frame	3	2
Headers are correct	1	1
Species names are a factor	1	1
Loop for <i>iris Setosa</i>	4	1
Loop for <i>iris Versicolour</i>	4	1
Loop for <i>iris Virginica</i>	4	1
Binding results to <i>irisSummary</i>	3	0
Pearson correlation	5	2
Labelled scatterplot	5	1
Correct use of function	3	0
Calculation for <i>iris Setosa</i>	3	0
Calculation for <i>iris Versicolour</i>	3	0
Calculation for <i>iris Virginica</i>	3	0
Binding results to <i>irisSummary</i>	3	0
Commenting, white space, and code presentation	5	4
Comments You don't need the step reading the file into a table first, you should just have read it into the data frame directly and called the frame <i>irisSummary</i> , not <i>results</i> . You have a working loop, but it doesn't perform the necessary calculations. The structure of <i>cor()</i> is correct but the data passed to it is incorrect. The structure of <i>plot()</i> is correct but the data passed to it is incorrect.		

Part 2

	Available	Marks
Load <i>Kicks.xlsx</i> into <i>kickData</i> data frame	5	3
Generate statistics for air-filled balls	7	1.5
Generate statistics for helium-filled balls	7	1.5
Binding results to <i>kickSummary</i>	1	0
Removing the outliers	10	0
Performing the t-test	5	0
Extract data for Neil	4	0
Extract data for Jonny	4	0
Test for significant difference	2	0
Commenting, white space, and code presentation	5	0
Comments You don't need the step reading the file into a table first, you should just have read it into the data frame directly and called the frame <i>kickSummary</i> , not <i>results</i> . You have the correct function, but you pass the wrong data to them.		

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