

Student	Mike Wakelyn	98%
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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	3
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	3
Commenting, white space, and code presentation	5	4
Comments Ideally, functions should have a comment at the top giving the name, purpose, input parameters and return value for the function. Otherwise the commenting is good. Well-spotted about the factor. Good <i>for</i> loops, elegantly done using indices rather than extra vectors.		

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	5
Comments Using <i>formatC()</i> is a nice touch on the readability front. ☺ If the Shapiro test shows that the data is normal then you don't need to worry about any outliers, so you could use the <i>air</i> data as-is. Labelling the boxplots is useful when you scroll through them so you can see which are air and which helium. Good handling of the t-test. Excellent coverage of the Jonny v. Neil problem, particularly in testing for both air and helium values. Excellent work.		