

STAT3015/STAT4030/STAT7030 Generalised Linear Models

Marking Sheet for Assignment 1 for 2017

Marks

Question 1

- | | |
|--|----------|
| (a) Four plots with relevant and sensible comments (0.5 mark per plot) | (2) ____ |
| (b) ANOVA table output and discussion of F statistic for week
Plot with clear labelling and estimated equations for each group | (2) ____ |
| (c) Clear and correct statement of the model (2 marks)
Summary output and correct conclusions
Correct identification and discussion of the contrasts used | (4) ____ |
| (d) Worth 2 marks as getting predict() to work is not trivial
0.5 mark for each correct estimate/interval + 0.5 mark for a relevant comment | (2) ____ |
| (e) Correctly modified model
ANOVA table output and details of the appropriate F test with conclusion | (2) ____ |
| (f) Correct changes to the data and summary output
Details of the important tests and correct interpretation
Discussion of the apparent contradiction with the earlier results | (3) ____ |
| (g) Description of the underlying population model
Output showing correctly specified random effects model
Discussion of results | (3) ____ |
| (h) 0.5 mark for making each important point (the four paragraphs of the solutions) | (2) ____ |

Student ID (1) _____

Total marks (out of 20) ____

Student ID (2) _____ (if the assignment was done in a group of two)

Student ID (3) _____ (if the assignment was done in a group of three)

Model solutions are available on Wattle, which you should compare with your solutions. Also have a good look at the R command file for this assignment which includes extensive comments. Please see Yang Yang or Ian if you have questions about the assignment or the solutions. Please approach Yang Yang in the first instance with any query re your marks (as he did the marking).

Please note that if you do wish to appeal your mark; you will need to send Ian an e-mail detailing the problem and also provide him with your marked assignment and the copy (electronic or paper) that you were supposed to keep when you submitted the assignment.

If you do request a re-mark, your entire assignment will be re-marked by Ian (not just the part you are querying) and your final mark for this assignment may go either up or down as a result of this re-mark.