R University

Exam 2015-07-29

Personal Data

Family Name:

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Registration Number

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1	☐	☐	☐	☐	☐	☐	☐	1
2	☐	☐	☐	☐	☐	☐	☐	2
3	☐	☐	☐	☐	☐	☐	☐	3
4	☐	☐	☐	☐	☐	☐	☐	4
5	☐	☐	☐	☐	☐	☐	☐	5
6	☐	☐	☐	☐	☐	☐	☐	6
7	☐	☐	☐	☐	☐	☐	☐	7
8	☐	☐	☐	☐	☐	☐	☐	8
9	☐	☐	☐	☐	☐	☐	☐	9

In this section **no** changes or modifications must be made!

Scrambling

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Type: 005

Exam ID: 15072900001

Please mark the boxes carefully: ☒ Not marked: ☐ or ■

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Only clearly marked and positionally accurate crosses will be processed!

Answers 1 - 3

1

2

3

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In this section **no** changes or modifications must be made!

Type	Exam ID
999	15072900001

1 ☐☐☐☐☐
2 ☐☐☐☐☐
3 ☐☐☐☐☐

In the following please fill in your answers.

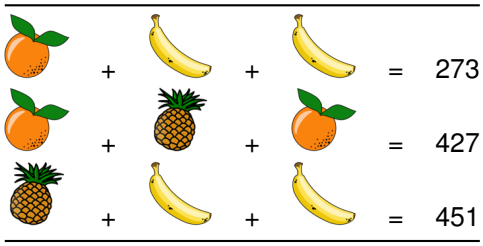
1

2

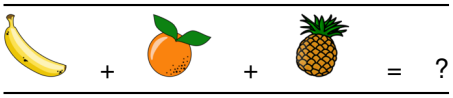
3

1. What is the derivative of $f(x) = x^7 e^{3.9x}$, evaluated at $x = 0.51$?

2. Given the following information:



   Compute:



3. What is the name of the R function for extracting the estimated coefficients from a fitted (generalized) linear model object?