R University

Exam 2015-07-29

Personal Data

Family Name:

Given Name:

Signature:

checked

Registration Number

0	☐	☐	☐	☐	☐	☐	☐	0
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

0 0

Type: 005

Exam ID: 15072900004

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

This document is scanned automatically. Please keep clean and do not bend or fold. For filling in the document please use a **blue or black pen**.
Only clearly marked and positionally accurate crosses will be processed!

Answers 1 - 3

1

2

3

R University

Exam 2015-07-29

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

Type	Exam ID
999	15072900004

1 ☐ ☐ ☐ ☐ ☐
2 ☐ ☐ ☐ ☐ ☐
3 ☐ ☐ ☐ ☐ ☐

In the following please fill in your answers.

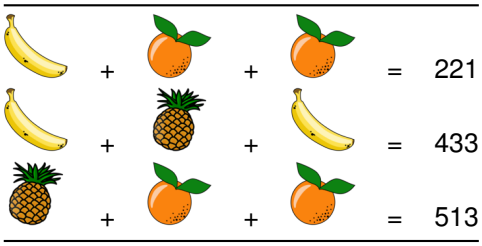
1

2

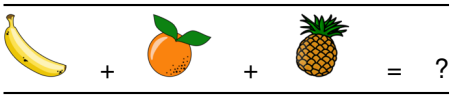
3

1. What is the derivative of $f(x) = x^5 e^{2.8x}$, evaluated at $x = 0.79$?

2. Given the following information:



   Compute:



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