# Answer sheet Probabilistic lab (lab 3)

Instructions: Fill out your answers below. Make a PDF of the complete file, and upload that **PDF** on Blackboard.

Student 1 (Full name & student number):

Student 2 (Full name & student number):

## **Blackboard question 1**

1A:

1B:

1C:

1D: (you need to calculate 3 values here)  
i:

ii:

Iii:

1E.

**Blackboard question 2**  
Make sure to round all answers to 5 decimals

2A:

2B:

2C:

## **Blackboard question 3**

3A:

i. For the RF Model:

ii. For the BS Model:

3B:

## **Blackboard question 4:**

4A:

4B: Copy screenshot / picture here

4C:

4D:

### Bonus question:

If you complete a bonus question (optional), please answer the questions of the assignment below.

Bonus subquestion 1:

|  |  |  |  |
| --- | --- | --- | --- |
| Model class | Free parameters | Total nr parameters | BIC |
| RF | a,b,c x 2 | 6 |  |
| RF | a,b,c,d x 2 | 8 |  |
| BS | a,b,c x 2 + 1 BS | 7 |  |
| BS | a,b,c x 2 + beta + N | 8 |  |
| BS | a,b,c,d x 2 + 1 BS | 9 |  |
| BS | a,b,c,d x 2 + beta + N | 10 |  |

Bonus subquestion 2: