

Evidence – 35427962 & 35604727

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The submitted MATH550 R coursework 3 of the titled students have high similarity in their code. Here is a list of issues:

1. **Question 3:** The expression "[B,b][R,r][O,o][K,k][E,e][N,n].+[H,h][I,i][L,l]{2}" they used in string detection is identical, when there are multiple alternatives for getting the same answer. Also, they both used the function switch() that I didn't teach, in a very similar manner.
2. **Question 5:** They used the same inefficient/alternative method (string detection) to find out the month and year, with similar lines of code.
3. **Question 6 (ii):** This is the biggest red flag to me, as the for loops and the functions they wrote are basically the same, with the only difference being the object/argument names. My solution requires neither the loop nor the function.
4. **Question 8 (i):** Similar to **Question 3, they used an identical expression

```
"([F,f][L,l][A,a][S,s][H,h].+[F,f][L,l][O.o]{2}[D,d]) |  
([F,f][L,l][O.o]{2}[D,d].+[F,f][L,l][A,a][S,s][H,h])"
```

when there are multiple alternatives for getting the same answer.

5. **Question 9 (ii):** The code for the whole part is highly similar between the two students.
6. Finally, they used the same non-ggplot2 plotting functions for the same question, namely plot() for **Question 8 (ii)** and boxplot for **Question 9 (iii)**. While it is not compulsory to use ggplot(), almost all students used it exclusively for all graphics questions as this is what I taught in the lectures, and it is slightly peculiar that, in the exact same fashion, they used it for other questions but not these two.