11.2

Problem Statement

1. Use the given link below and locate the bank marketing dataset. Data Set Link

Perform the below operations:

1. Is there any association between Job and default?
2. > cor.test(bank$job, bank$default, method = "pearson")
3. Pearson's product-moment correlation
4. data: bank$job and bank$default
5. t = -5.741, df = 41186, p-value = 9.479e-09
6. alternative hypothesis: true correlation is not equal to 0
7. 95 percent confidence interval:
8. -0.03792440 -0.01862483
9. sample estimates:
10. cor
11. -0.02827725

b. Is there any significant difference in duration of last call between people having housing loan or not?

Ans: topic not discussed in class.

c. Is there any association between consumer price index and consumer?

Ans: cannot find the association between consumer price index and consumer because there is no column by name consumer.

d. Is the employment variation rate consistent across job types?

Ans: Yes. it is constant, value is 1.1

e. Is the employment variation rate same across education?

Ans: Yes. it is constant, value is 1.1

f. Which group is more confident?

Ans: topic not discussed in class.