# Problem set 2

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## 1 Question 1

(a) [1] 3.787525 (b) [1] 0.1505045 - The two variables are not independent of each other (c) The standard residuals were rounded to two decimal places, the full numbers are in the r file. Upper class + not stopped =1.17 Upper class

+ bribe requested = 0.03 Upper class + stopped/given warning = 0.03 Lower

class+ not stopped = 0.08 Lower class + bribe requested = 0.77 Lower class +

stopped/given warning = 0.87

## 2 Question 2

(a) null- male politicians are just as likely to improve drinking water alternative- female politicians are more likely than men to improve drinking water (b)lm(formula= women*water women*reserved, data= women) summary(lm(formula= women*water women*reserved, data= women)) (c) There was an intercept of 14.738 so around 85 times out of 100 women politicians were more likely to improve drinking water conditions.