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Intro Stats – April 5th, 2021

Exam 4

1.

a. log odds = 1.5, so e1.5 = 4.48

b. e1.5/(1+e1.5) = 0.82

c. 1.5 = 7.5 +2(2) -4(X2)

1.5 = 11.5 - 4X2

1.5 + 4X2 = 11.5

4X2 = 10

X2 = 2.5

2.

a. The odds ratio is 0.372 (e-0.99)

b. The odds ratio is 3.49 (e1.25)

c. The odds ratio is 0.0796 (e-.99-1.25-.29)