Problem 12 Wednesday, June 12, 2024

You 
$$Pr(Y=\text{orange}|X=x) = \frac{exp(Bo+B_1x)}{1+exp(Bo+B_1x)}$$

pr (X=erange | X=x)= Friend

M6 = exp (Borange of Borange, x) = ph)

angl = orange of orange, X

b) odds 
$$\left(\frac{\operatorname{pr}(Y=\operatorname{orange})|Y=X|}{\operatorname{pr}(Y=\operatorname{orange})|X=X|}\right) = \frac{\operatorname{exp}(\tilde{a}_{apple}) + \tilde{a}_{apple}}{\operatorname{exp}(\tilde{a}_{apple}) + \operatorname{orange}(X)}$$

(4.14) Orang loy colds = at aranger + a cranger -apple o -apple, x

Bo# 1,2 - 3 = -1.8 B, x -2 -.06 = -2.06

E) M6= 
$$-1.8 - 2.06$$
Cy
 $-1.8 - 2x - 3 - .06$ X
 $-1.8 - 2x - 3 - .06$ X

They are ske exact same. So look of -), me they will agree Fer these models created.