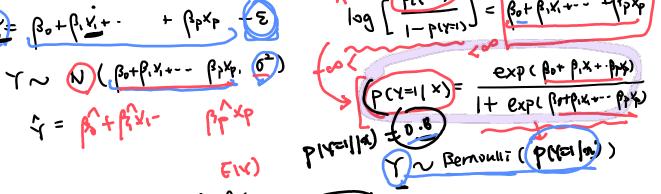
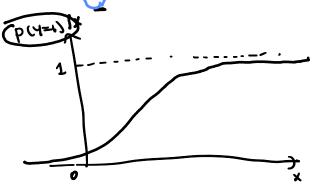
Weak 13. Lagistic Reg IL. Thatsgiring 15. Review 16. Final

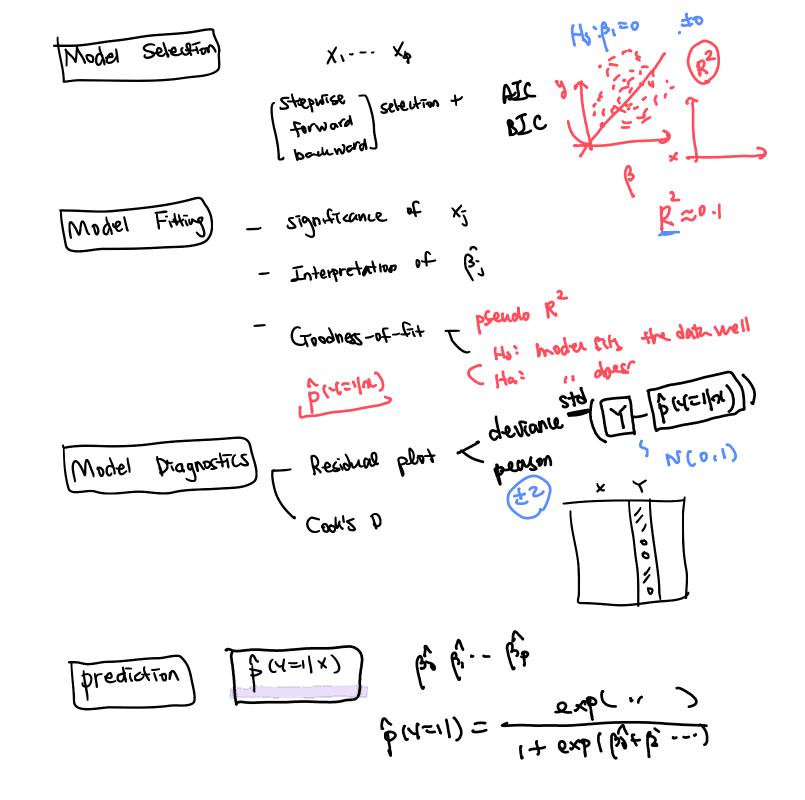
$$Oqqz \equiv \frac{1 - b(\lambda = 1)}{b(\lambda = 1)} = 1 \qquad \Rightarrow 1$$

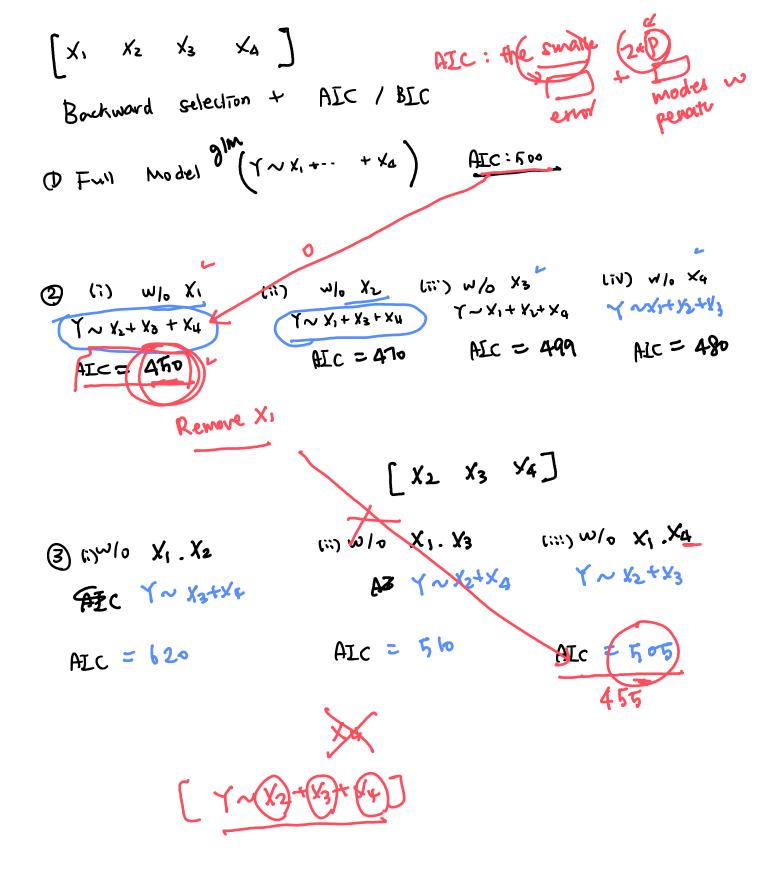
[Odds Ratio] =
$$\frac{odds[Y=1]}{odds[Y=1]}$$
 = 1 & gender ethorses > 1 F7 M < 1 F< M



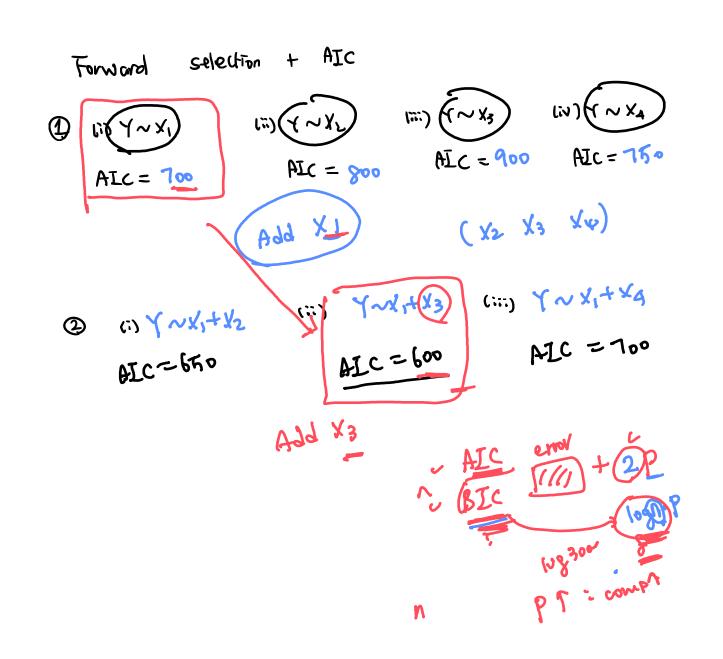


Interpretation of
$$\beta_1$$
 $\log \left(\frac{P(Y=1)}{1-P(Y=1)} \right) = \beta_0 + \beta_1 x$





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Amputation Pota

significance level d=0.1

amputution ~ Thress-severity + diabety + whees

19 Who will have the highest chance? - Illness_severty (L M H)

- Illness_severty (L M H)

- 2.19

- 08(L vs. H) = 084s (v=11 H)

- 08(N vs. H) = 084s (v=11 M)

- 08(N vs. H) = 084s (v=11 M)

- 08(N vs. H) = 084s (v=11 H)

Diabety (Uncentralled Us. Gatrolled)

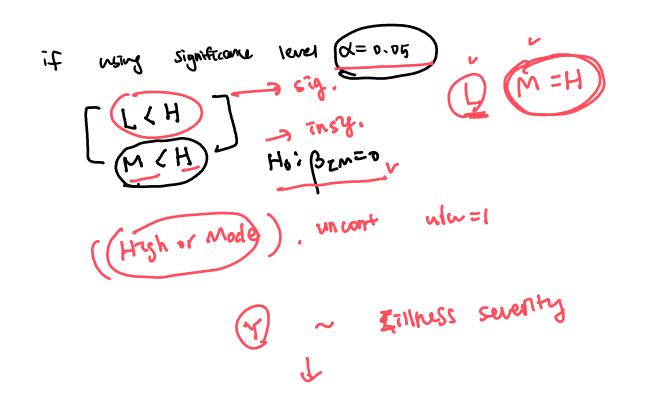
OR (un vs. con) = 0845 (4=1/ cm) = 0 1.83

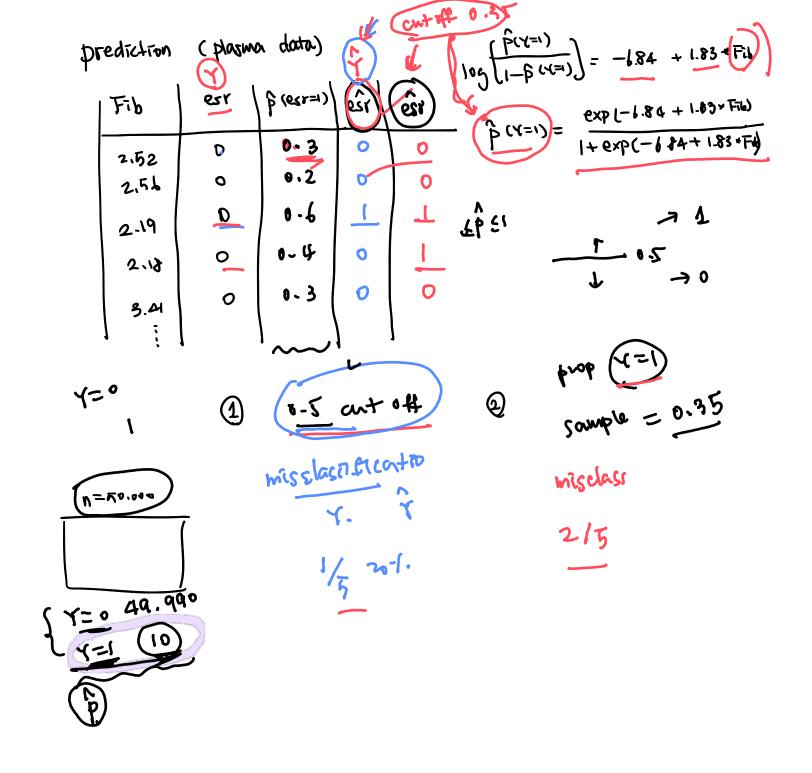
- Ulcors (1 us. 0)

OR(1 45.0) = P

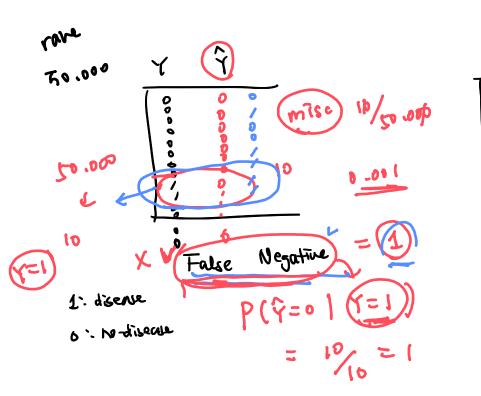
4=0.1

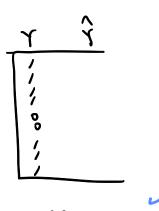
High. Union)





+:





False Positive

(p(Y=1|Y=0))

How to choose the optimal cut-off?

(1) ROC curve

