| Output és discolonic |
|---|
| yi con habre value only o and I |
| elever regression readel read not pe load |
| D 60000 |
| © 90000 |
| unexposent to model the pudadately of y =1, proto of success P(y:=1/12) |
| ue model l'i = E(yilΩ) for ter Bernaulli r.v. |
| Pi= = (vil SZ)=F(+iB) |
| 07 (00)=0 . ∓(00)=1 ol(1)= 1+(x) >0 etre Conchoan olso be |
| terse one also properties of CDFS (401 to Chot honoric) |
| these one also properations of CDFs (1601) If we use the one of the rosend we one the probabilises of the rosend we |
| DP: = 1 F C+B) = P(LiB) By roughed effect could by uccesse in xi in a now discusse usedel |
| ((LiB) ; Probit model |

Pudo (41=41... Yn=4n) = TT [1-F(xi B)]TT F(xi B)

Vi=0 1 421 Frob

Pudo of Severess

ALL 4 460t Shot

QUE =0 Severess

Pr (4, =41) = Pr (4, =1) I (4, =1) + P(4, =0) I (4, =0) Por the lirst dos

((Bin x) = Elaj F (L, B) + (1-4:) (b) (1- F(+iB))

one count use the R2 to ossess the quality of the Gif · ue cou ve libelihood votro index

ChI = los leh (hodel 2) ... model with all the wouldes (hilest hood lossely (hodel) model with only the whoseopt wider)

response d'hour rech une impresse in exploration odding le

| CRI is not boarneded between O.1 |
|--|
| recipie for LoCe 17 / Problet model |
| OBS. OLENATO P(1=0) P(1=1) hot on become it is estumbled $V_1 = 0$ V_1 $V_2 = 0$ $V_3 = 0$ $V_4 = 0$ |
| thus to rough measure of speaking will be with z munder of homes the needed correctly N quedicts the art but |
| in her use made the assumptional distribution, that it |
| in he we neede the ossumptional distribution, that it |
| mos correctly specified Cylx) were fermented home a known Cylx) were fermented the powerented March the powerented Let what if this is majesified |
| U=XB+E Eis iid NN (O; D) ærnors one neterorhedostik whot hoppens if we nownbre the wrong bylen |

| LOCUMENTA HOOD OF |
|--|
| thi: |
| 4 = XB + e bot now we ossome the errors to be homestuedostic |
| |
| what happens to ENN(0; In) |
| B, is B still consistent and what is its |
| osymbolic distribution |
| D= orguex LCH1; &i,x;B) |
| $\frac{1}{2}$ |
| = Expror \(\frac{\infty}{2} - \frac{1}{2} \log 2\tau + \log 6^2 + \left(\frac{\infty}{6} - \tau \frac{\infty}{6} \right)^2 |
| B |
| B B B B B B B S Ble a consistent |
| B - B B I structor |
| |
| @ TN (B-8°) 5 7 N (O; H-1.0PG·H-1) |
| MANCE-BI - ANCOL |
| Du doeld be |
| H= t[32] (?) White wown uses e-2; (4i-xiB)2 the product is |
| H= t 1010 000000 |
| = 42(41-x1B)2 = the producert 1,2 |
| |
| (8 x x - 4 x (x 4 - x x B)) 1 |
| BULLET STURY BULLET |
| 1 tilli-tible - 1 d-1 1 b by the tilling |
| -4444 |

| be sely (er 0, so a refressioner stors |
|--|
| be sely lor0, so a répréssion sois |
| rot notre Deuse |
| y=XB+E référession for y vouley continueur |
| in this cope we went to wealed the Ochology of y beyond 20 |
| bespelish of A point = 1 or = 0 |
| le realitée à la function et |
| te solprident renobles F(+13) |
| ier OCS F(X'B) = X'B, mettis cosettes is not jood becerre me næed y E[0,7 |
| IS not josel becerre me mand y clos |

LOCUTE PROBIT

F(XB)= ex'B

1+ex'B

there weedly one estuded through north

MARCHNAL ERRECTS Change in the pushabelely that y=1 Cinen a voit change in one ind. wr. x JR = Bo inols Je = F'(x'B) B-depends on x, by prodly we comparte
it at x For logit ets OF i core serpente le orient ronguel JP = exp . B EF'CHB) Bo -> = 2 meens that epps rotio -

SPDS rotio = 2 meens that

P(y=1)is turce

or lubley of

DDS RATIO IS 1-P

ODDS RATIO IS 1-P

$$P = \frac{e^{x\beta}}{1 + e^{x\beta}}$$

$$= x\beta - \ln(1 + e^{x\beta})$$

$$= \frac{e^{x\beta}}{1 - e^{x\beta}}$$

$$= \frac{e^{x\beta}}{1 - \frac{e^{x\beta}}{1 + e^{x\beta}}}$$

$$\lim_{x \to \infty} \frac{P}{1 - \frac{e^{x\beta}}{1 + e^{x\beta}}}$$

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$$\lim_{x \to \infty} \frac{P}{1 - \frac{e^{x\beta}}{1 + e^{x\beta}}} = \frac{1 + e^{x\beta}}{1 + e^{x\beta}}$$

(1-4) lu (1-F(x1B)) + filu F(x1B)

So ted when y: 1 we have lu (F(x1B))

and when yi is we have lu (1-F(x1B))

if i misspeady be henchose sed use a normal with variance not disjust but 87e In the opening that the sandwith estimator is $H^{-1} \circ P \circ G + H^{-1} - Lleu : 2007 - 2007 - 2007 + 1000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 1000$

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