(Classification) Logistic Regression.

From linear, $y = 00 + 01 \times$. However this is regression, we need to classify.

, y = log of odde = log (Pp) y'- probability

15 always between 0 21 1/1+00

0.

Asymptotic on both sider.

-y log y', y=1 -(1-y) log (1-y'), y=0 Loss function:

.: [-y log (1-y')

Gradent Derunt works same but with different loss