Business data Science. Oct 18. Lecture no 16. Today Boosting + Forward StageWise

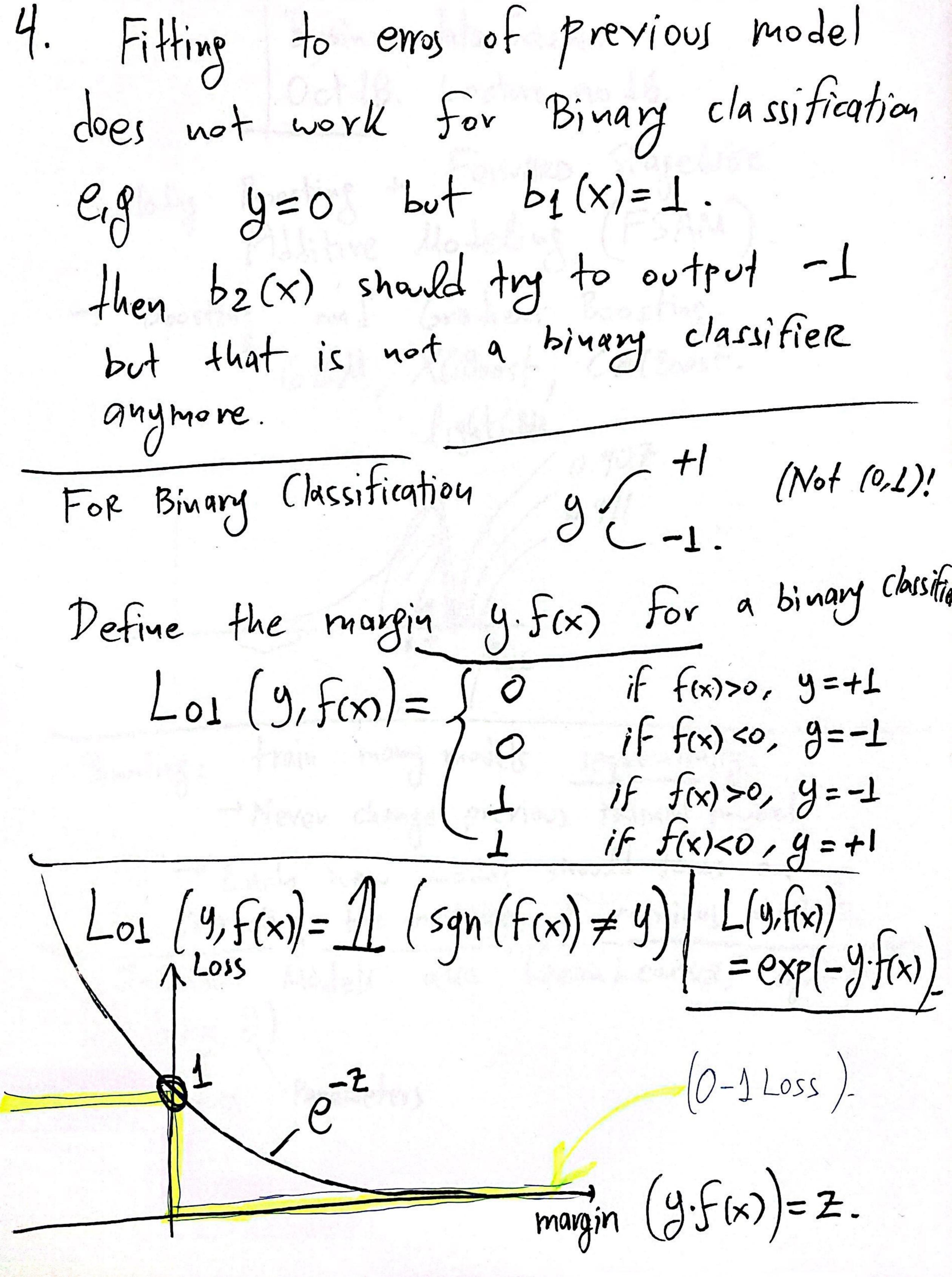
Additive Modeling (FSAM.). Boosting and Gradient Boosting.

GBM, XGBoost, CATBOOST. light GBM.
0.907 Boosting: train many models sequentially.

Never change previous trained models. -) Each new model should focus on correcting the mistakes of previous models. Individual Models als Weak Learners e.g. trees b(x, d)
features Pavameters

At Step 2, train be so that better Minimizes loss.

yi, b_(xi, 91)+ Mistalles or Residuals, min $\frac{1}{2}$ $\left(Y_1(x_i) - b_2(x_i, \theta_2)\right)^2$. model 2. fit (X, V1) -model 1. predict this work top binary classification? No! Because for Regression y - b1(x) tells you how wrong the previous model was.



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