## CLASSIFICATION FOUND TO THE PLANT I THE THE WAR TO THE TOTAL TO A or Not A - Pick prob. threshold and that's your hypothesis. But need new eval metrics! For linear we used RMSE (measuring dist from prediction to label). For logistic: - Accuracy? Fraction of predictions correct 17 Imbalance problems when positive/regarive 18 very rare (in the distribution) Consider Etrue, false } & pos., mag. } Precision and Recall (Predicted true) (How many trues was it true?) (TP+FN) These are in tension: too much precision can lower recall - vice versa ROC Curve | Evaluate overy possible class. Hhreshold (Receiver Operating Characteristic) For each threshold Elo, 1), let X = false pos. rate @ threshold and y = true pos. rate @ threshold. Then The ROC curve is defined by {x(t),y(t) AUC (area under ROC curve) = Stylt) 8x(t)

threshold For random post random meg., what is P(model ranksy)?

This is AUC)?

Prediction blas: want predictions to match observations. Aug. [pred.) = Aug(185.)

Flasy to fool but is a good canary. Q Too much bias?? Consider: - in complete feature set - too much - buggy pipeline regularization - biased training sample 7 Fix in the model, not colloration layer" blot bound . I ober It down of profes of many out of the color CHELLINE TOTAL STATE STATE OF THE PARTY OF T