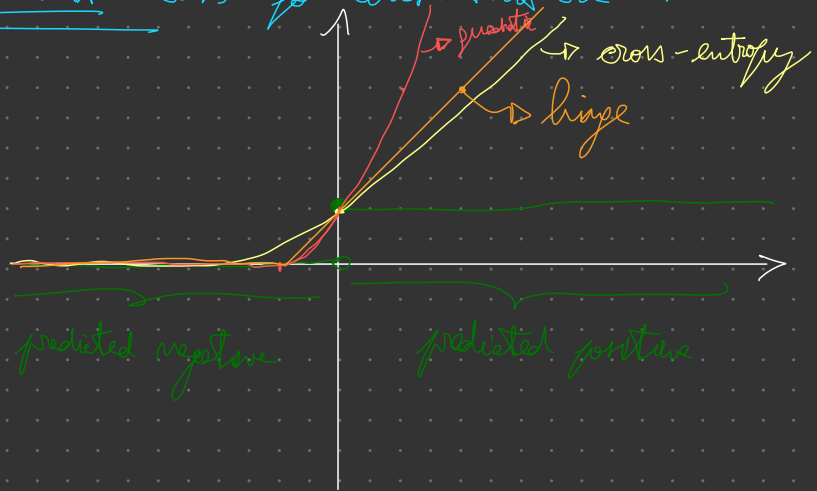


→ Note on proxy losses for Demographic Parity

(equality of predicted prevalence)

While the FPR loss only applies to label negatives (LNs) and the FNR loss only applies to label positives (LPs), constraints on PP (predicted prevalence) apply to all samples regardless of the true label → only the score matters,

→ instance-wise losses for constraints on PP



⚠ The instance-wise PP losses and their derivatives are equal to the instance-wise FPR losses, just applied to different instances!

all instances instead of just LNs