

Northpointe and COMPAS

• Northpointe (now Equivant) built a criminal recidivism risk toollalgo: COMPAS

· First developed in 1998

· Asseses risks and needs in 43 categories

· Fair amount of

sociology/theory; Let's bok at "Practitioner's Guide"

. So what are the inputs to this algo/model?



· Non-profit investigative journalism org



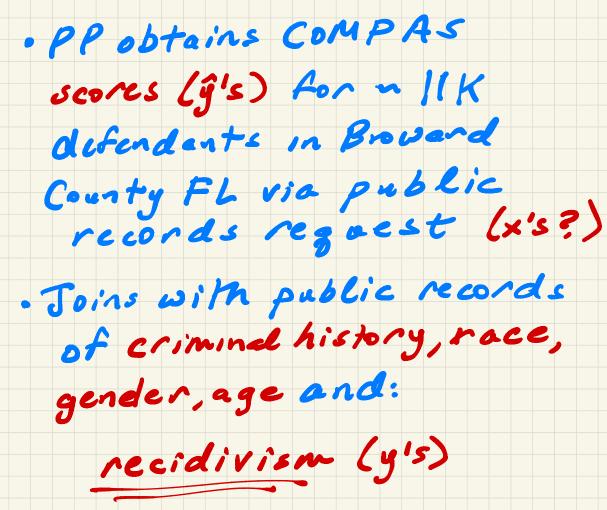


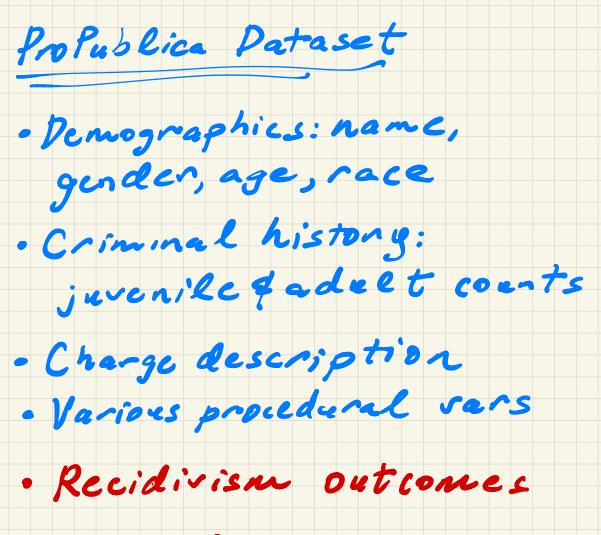




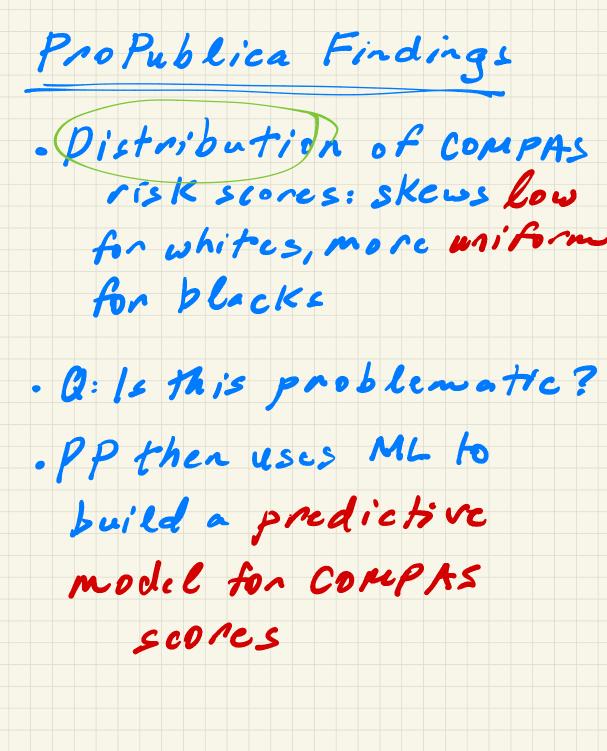








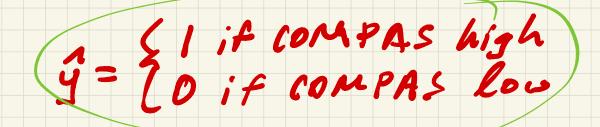
· COMPAS scores



PP Findings, cont'd

Then analyze confusion matrix for a classifier

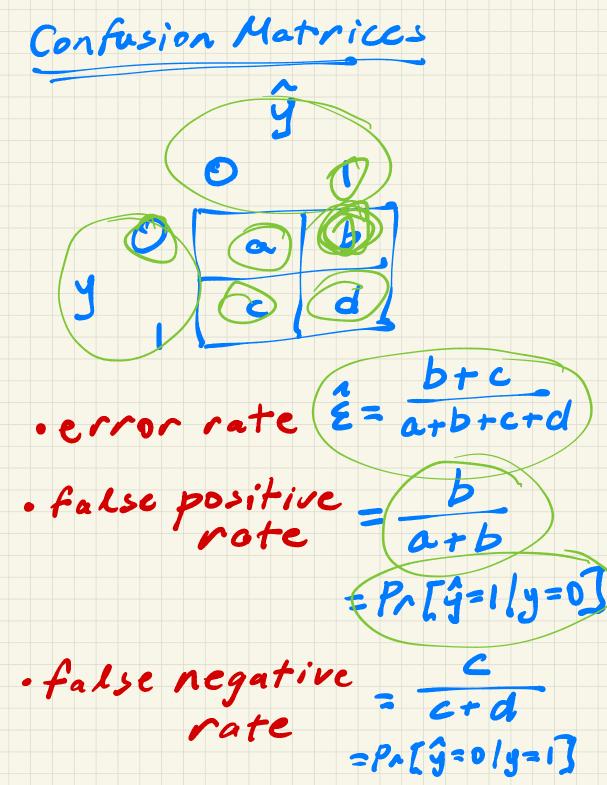
for recidivism:

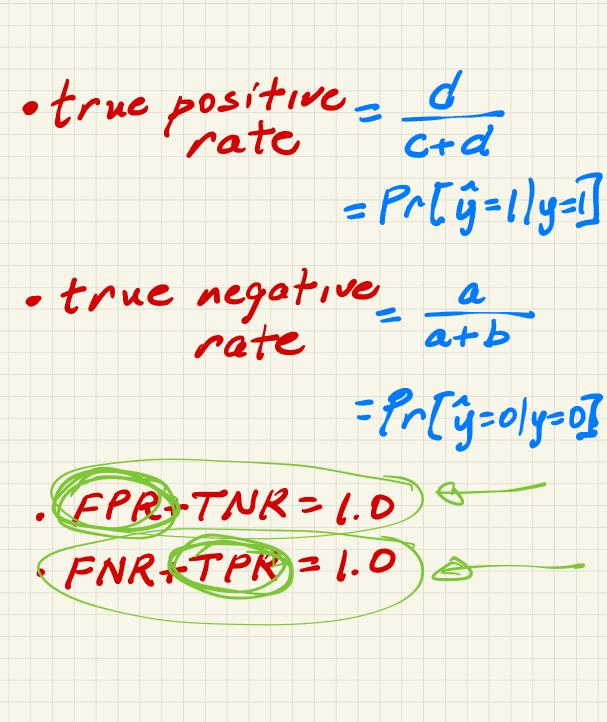


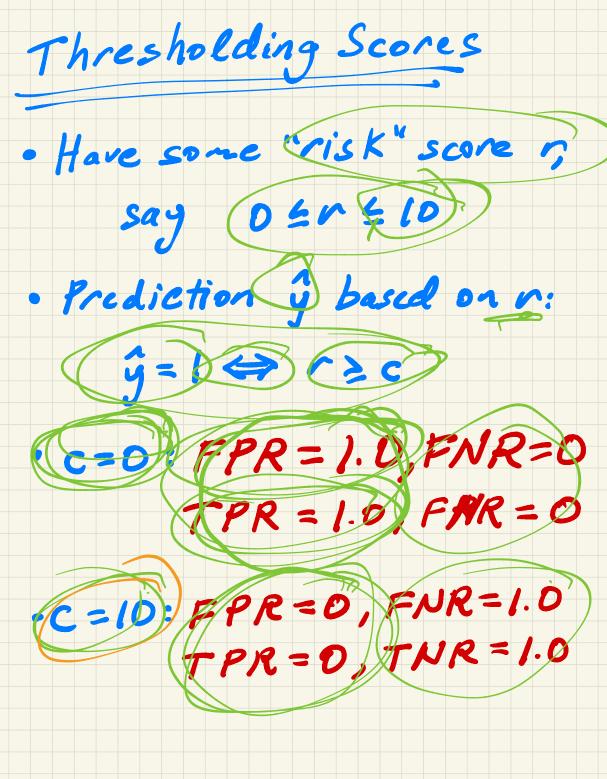
Look at black & white matrices separately

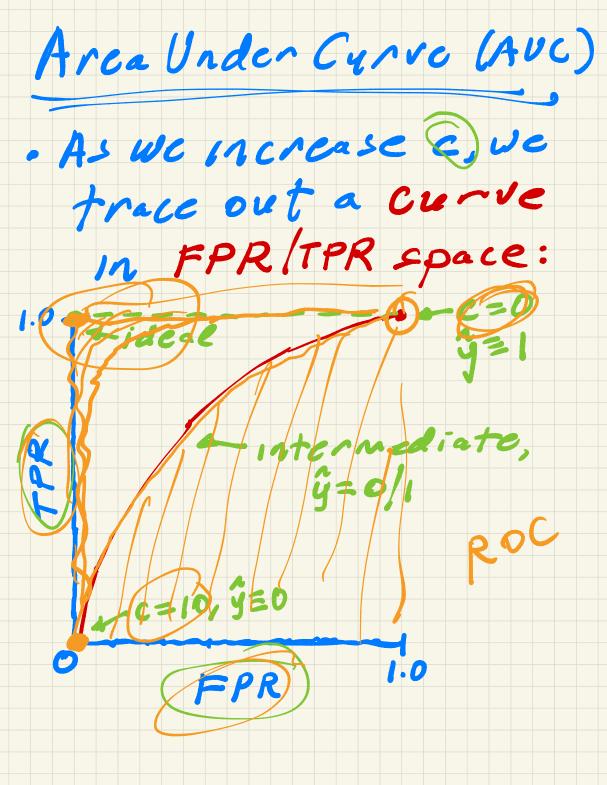
· Focus on false positive

rates

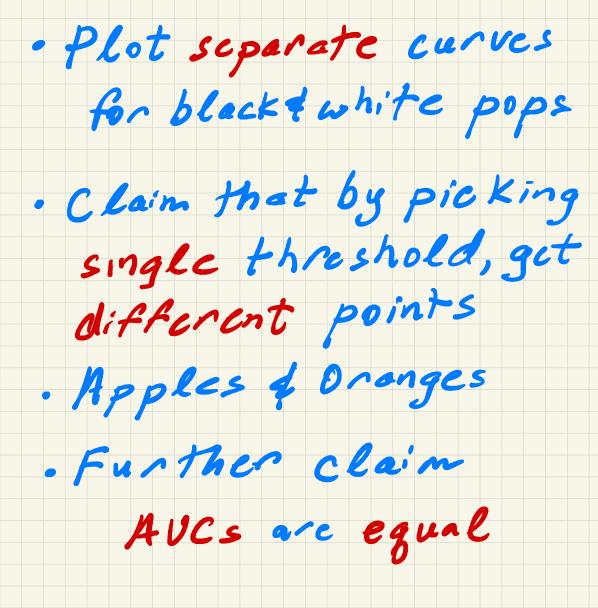


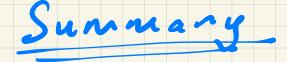






Northpointe Response to PP





· PP: Your algo is unfair,

black FPR >> white FPR





