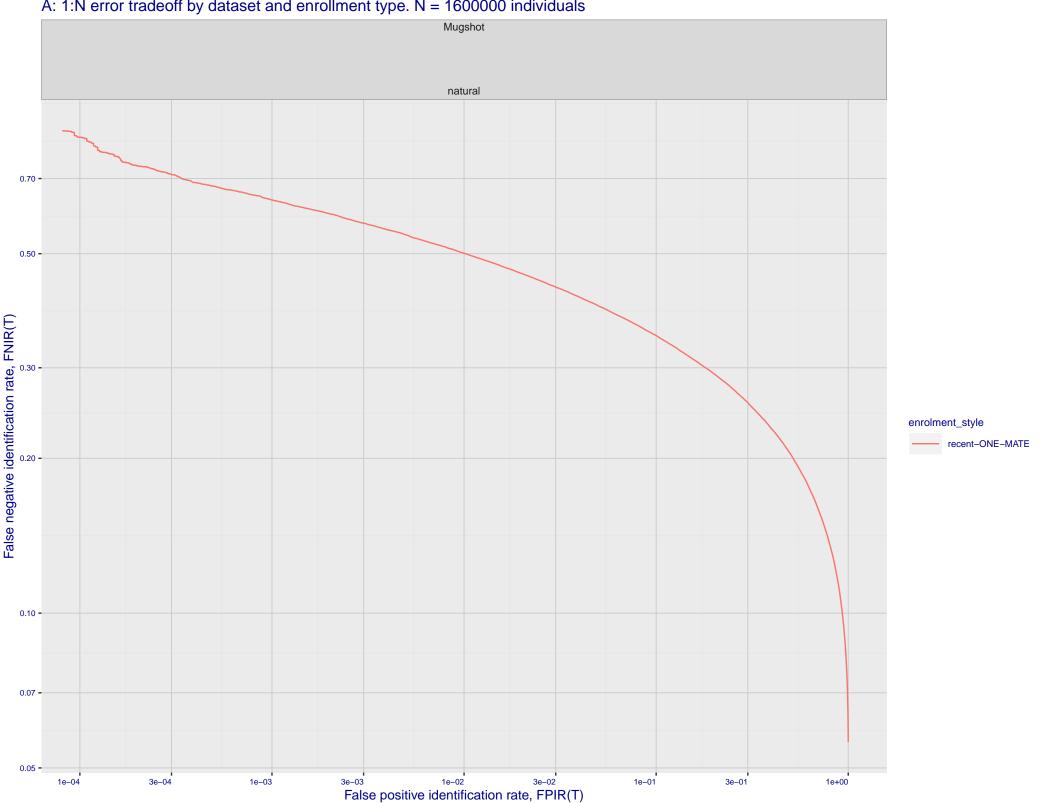
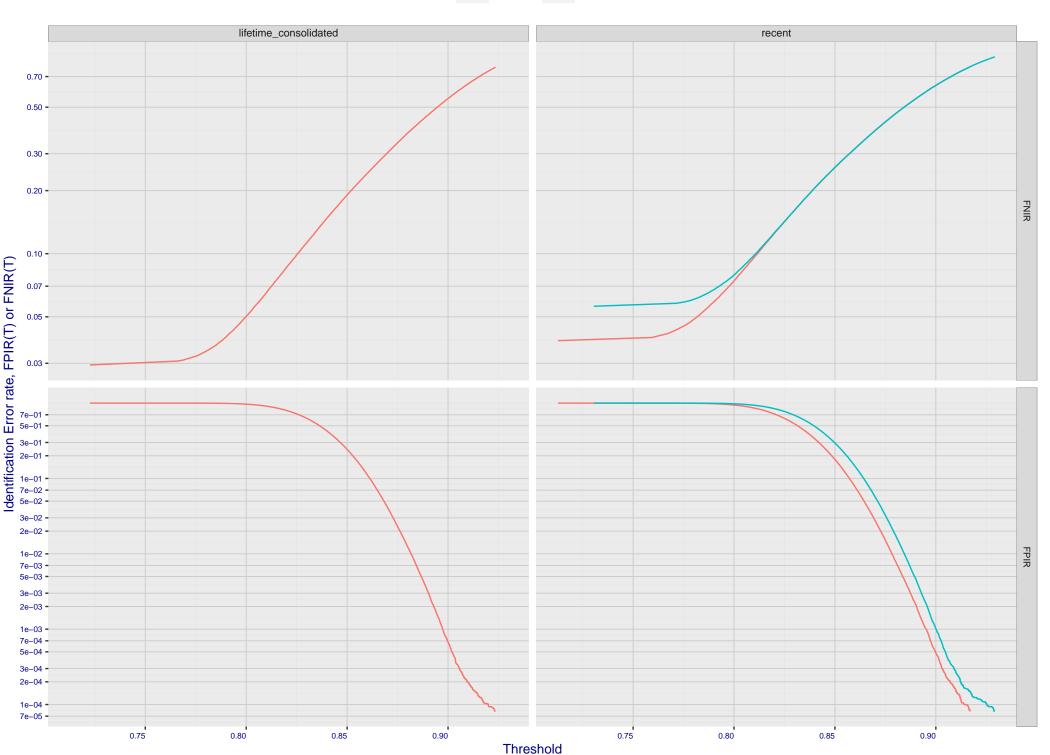
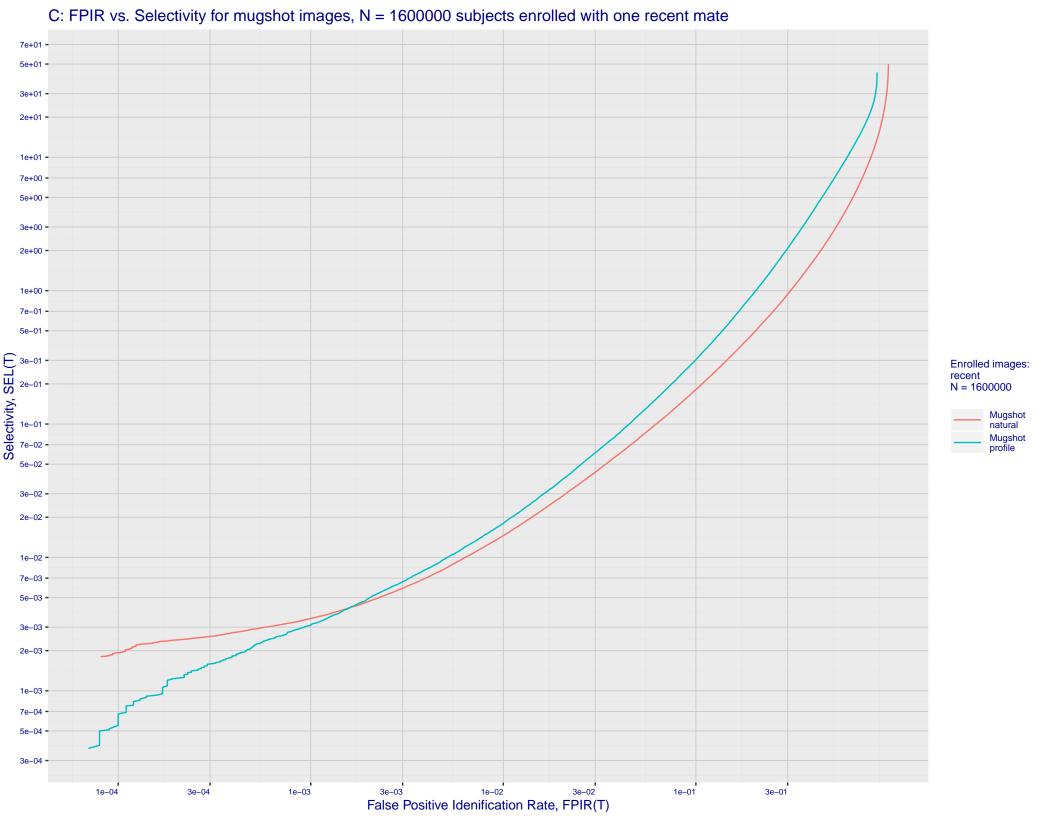
A: 1:N error tradeoff by dataset and enrollment type. N = 1600000 individuals

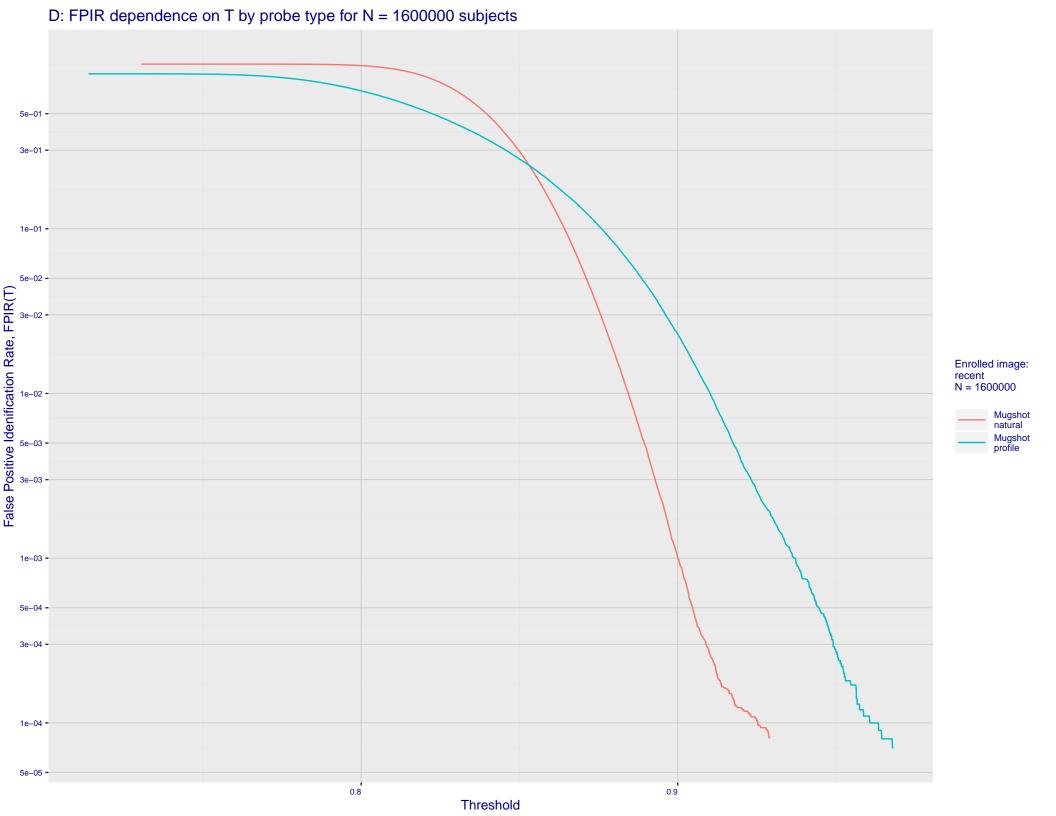


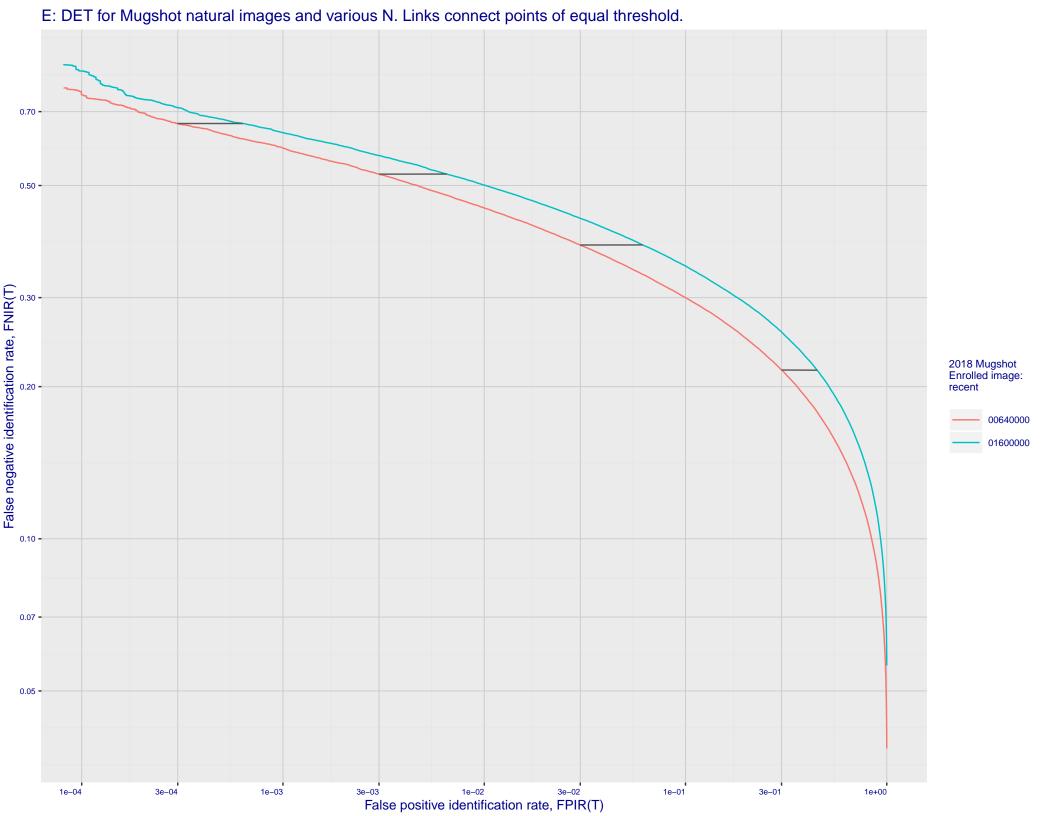
B: Dependence of error rates on T by number enrolled identities, N, for Mugshot natural images

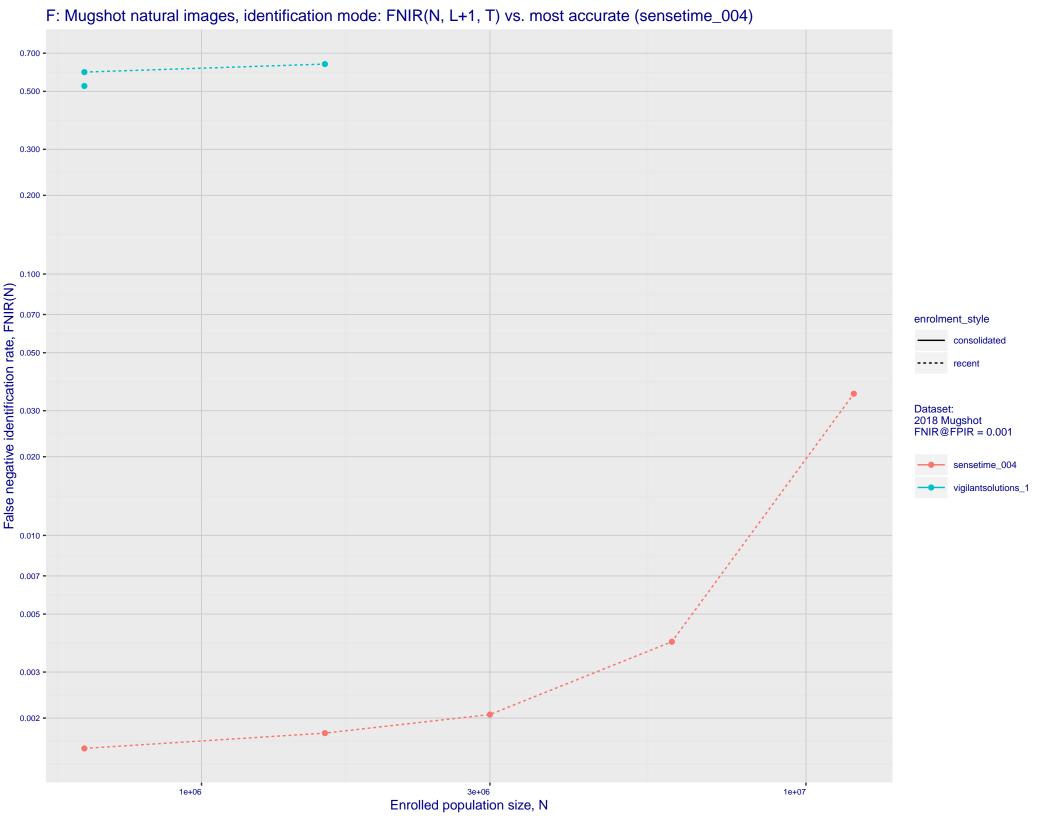












G: Datasheet

Algorithm: vigilantsolutions_1
Developer: Vigilant Solutions
Submission Date: 2018_02_14

Template size: 2056 bytes

Template time (2.5 percentile): 726 msec

Template time (median): 735 msec

Template time (97.5 percentile): 783 msec

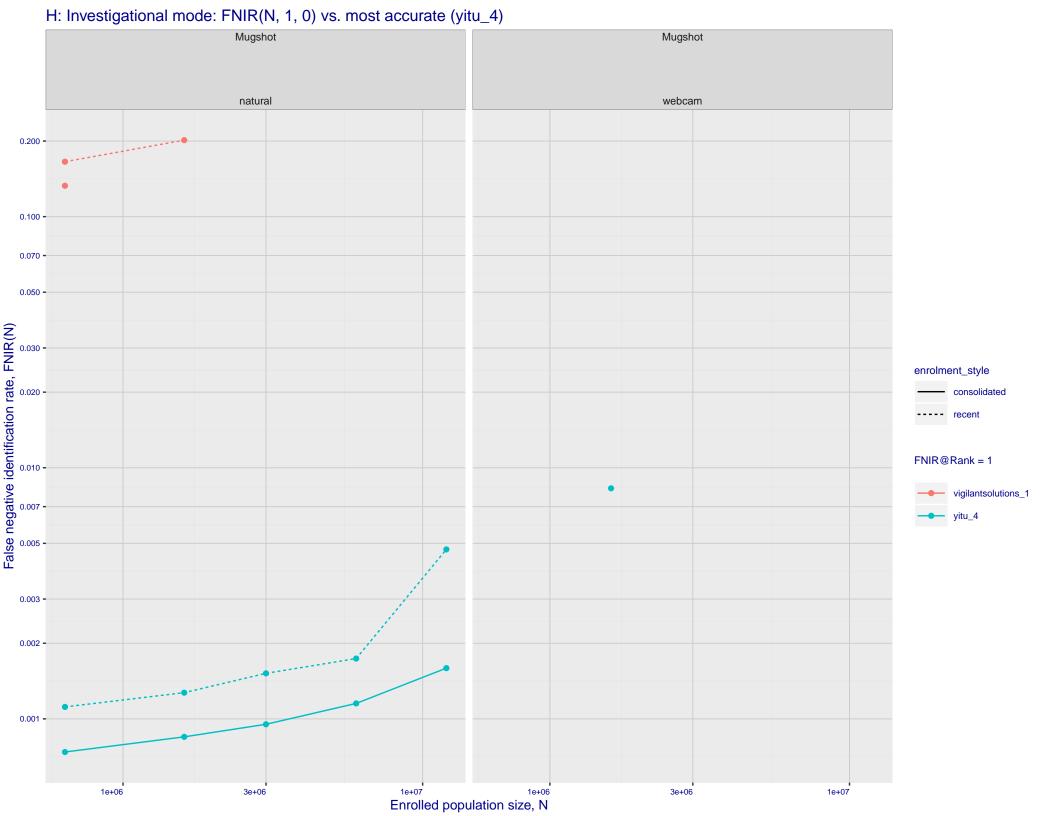
Frontal mugshot investigation rank 226 — FNIR(1600000, 0, 1) = 0.2017 vs. lowest 0.0010 from sensetime_004

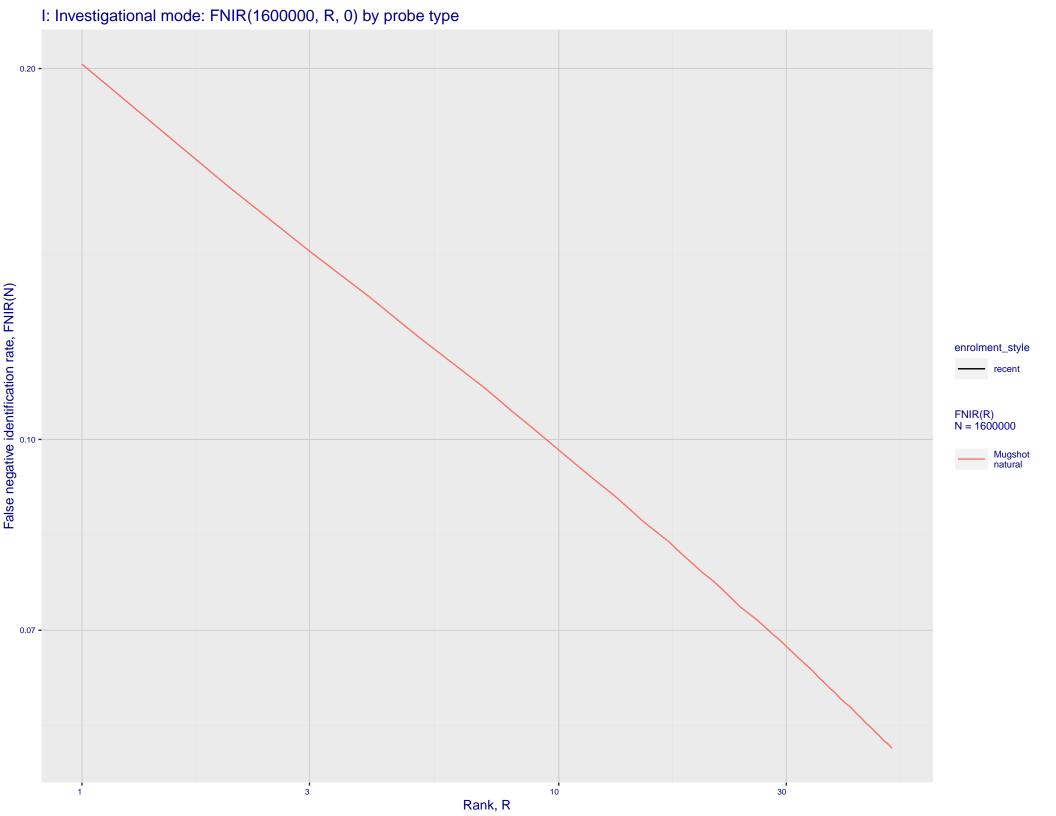
natural investigation rank 261 -- FNIR(1600000, 0, 1) = 0.9395 vs. lowest 0.0492 from paravision_005

natural investigation rank 261 -- FNIR(1600000, 0, 1) = 0.9395 vs. lowest 0.0492 from paravision_005

Frontal mugshot identification rank 220 — FNIR(1600000, T, L+1) = 0.6359 vs. lowest 0.0018 from sensetime_004

natural identification rank 142 -- FNIR(1600000, T, L+1) = 0.9995 vs. lowest 0.1020 from sensetime_004





Template duration; search duration vs. N. The blue and pink ribbon covers 95 percent of observed measurements. The template generation time is independent of N. The log and power–law models are fit to the first two (N,T) observations

