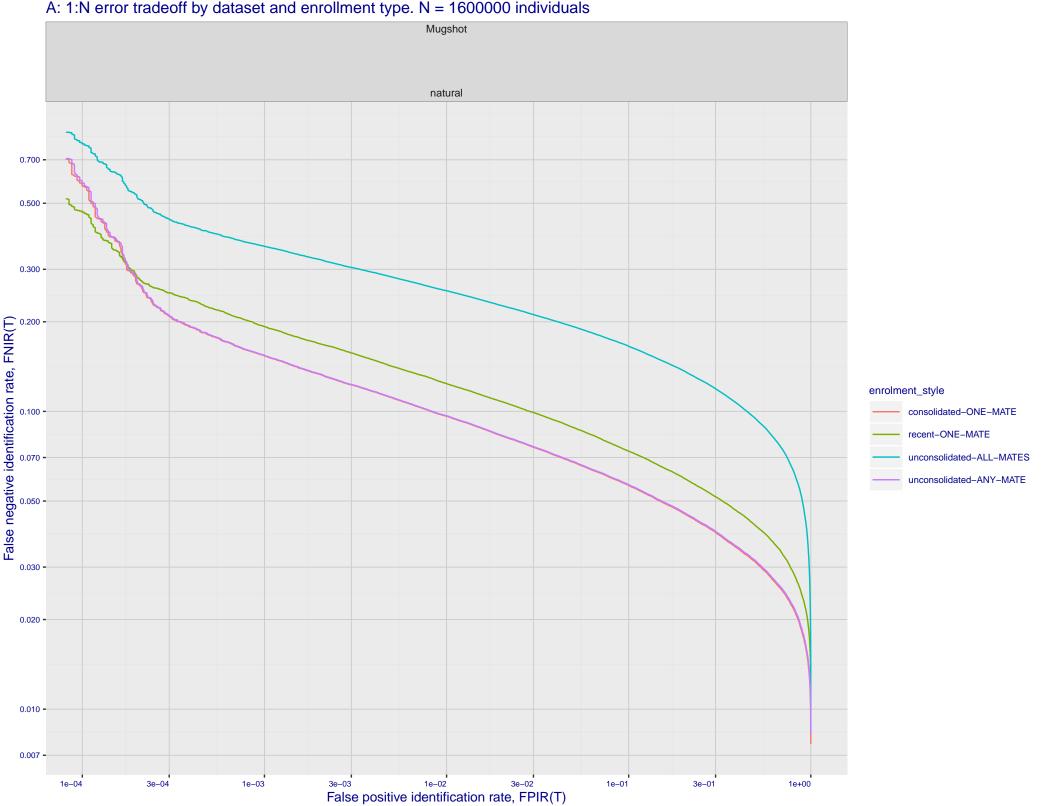
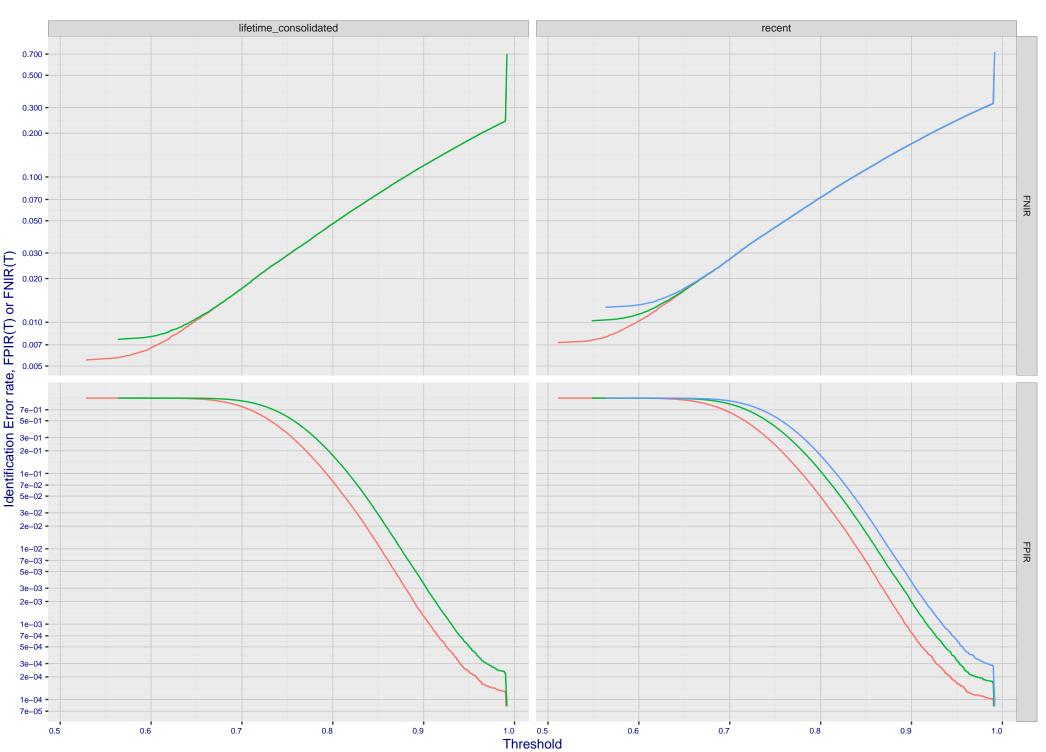
A: 1:N error tradeoff by dataset and enrollment type. N = 1600000 individuals

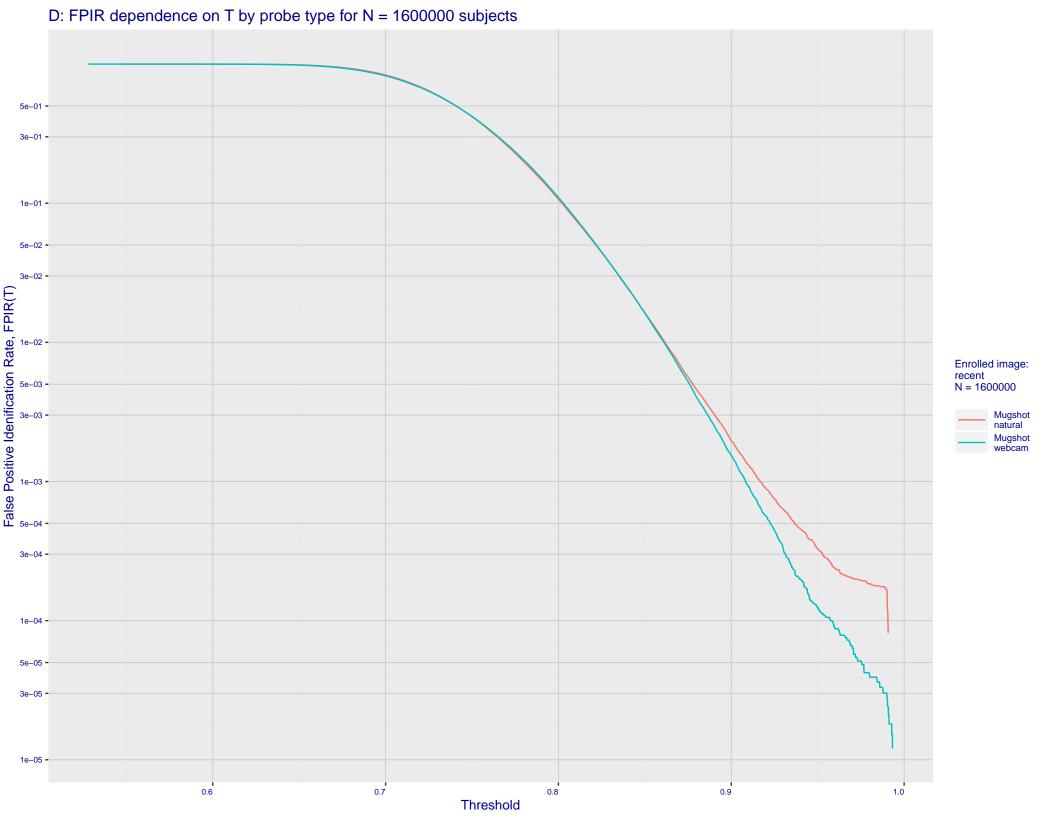


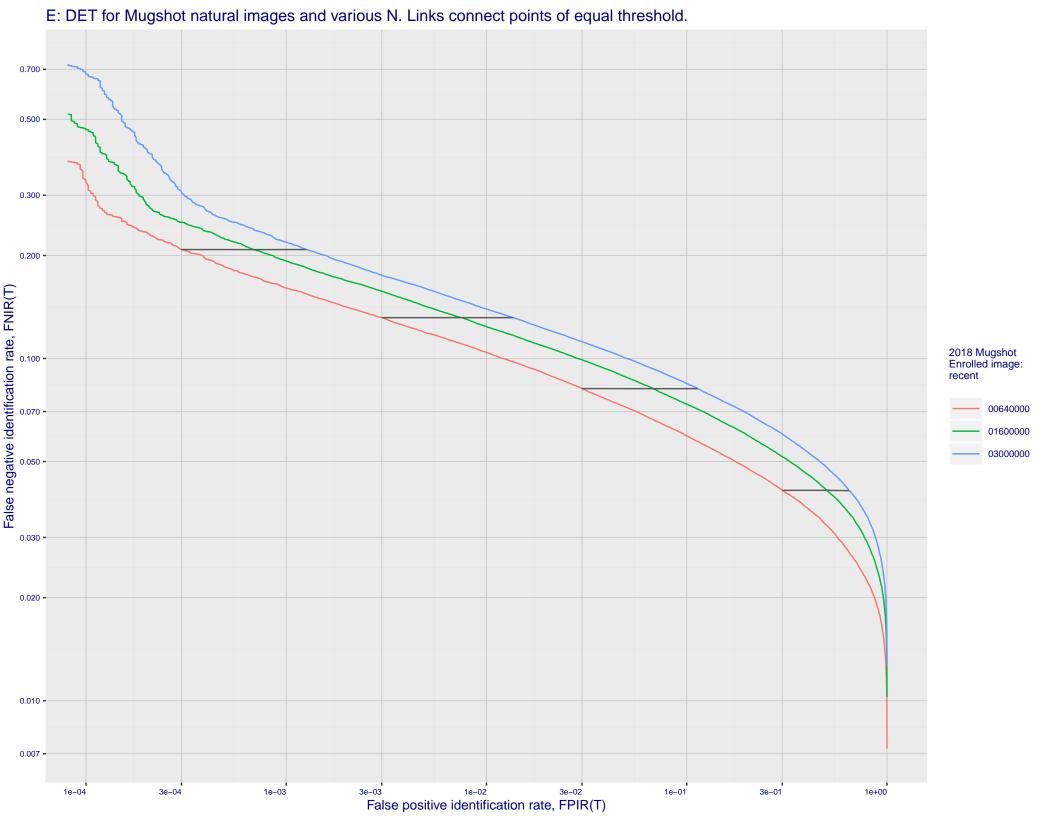
B: Dependence of error rates on T by number enrolled identities, N, for Mugshot natural images

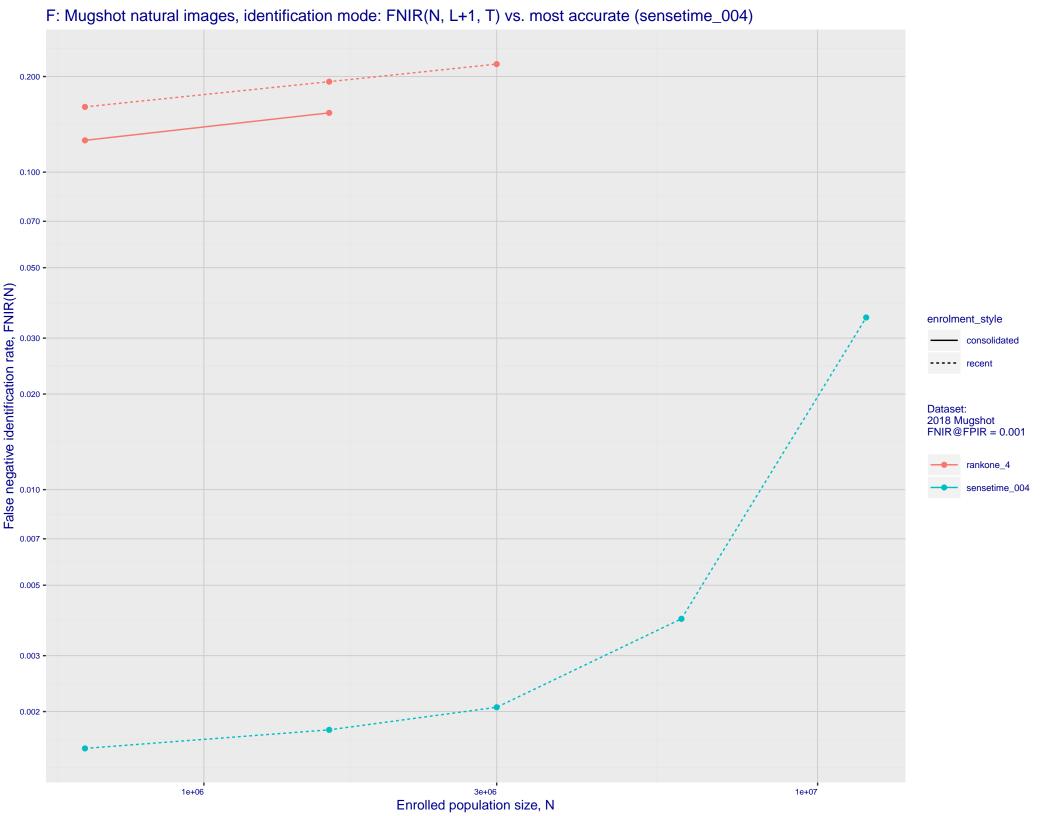




C: FPIR vs. Selectivity for mugshot images, N = 1600000 subjects enrolled with one recent mate 7e+01 -5e+01 -3e+01 2e+01 -1e+01 -7e+00 -5e+00 -3e+00 -2e+00 -1e+00 -7e-01 -5e-01 -3e-01 -2e-01 -1e-01 -7e-02 - 7e-02 - 7e-03 Enrolled images: recent N = 1600000Mugshot natural Mugshot webcam 7e-03 • 5e-03 -3e-03 -2e-03 -1e-03 -7e-04 -5e-04 -3e-04 -2e-04 -1e-04 **-**7e-05 -5e-05 -3e-05 -2e-05 -1e-05 -1e-05 3e-05 1e-04 3e-04 1e-01 3e-01 False Positive Idenification Rate, FPIR(T)







G: Datasheet

Algorithm: rankone_4

Developer: Rank One Computing Submission Date: 2018_10_09

Template size: 85 bytes

Template time (2.5 percentile): 34 msec

Template time (median): 36 msec

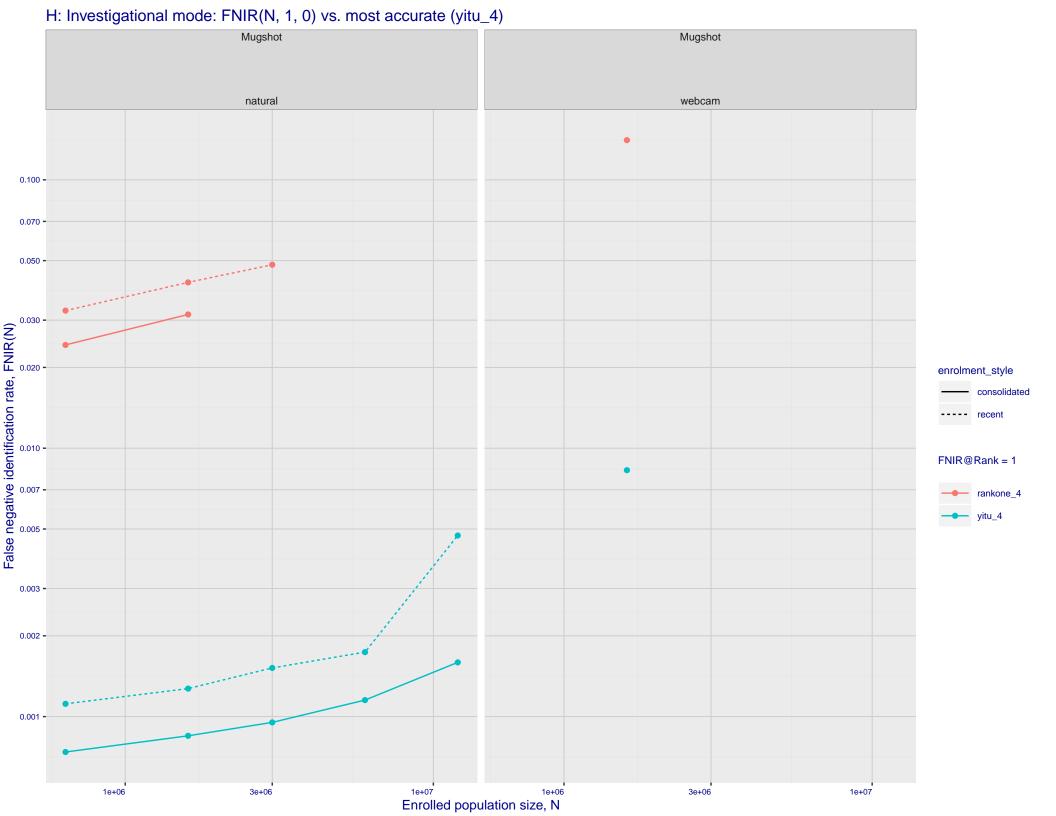
Template time (97.5 percentile): 41 msec

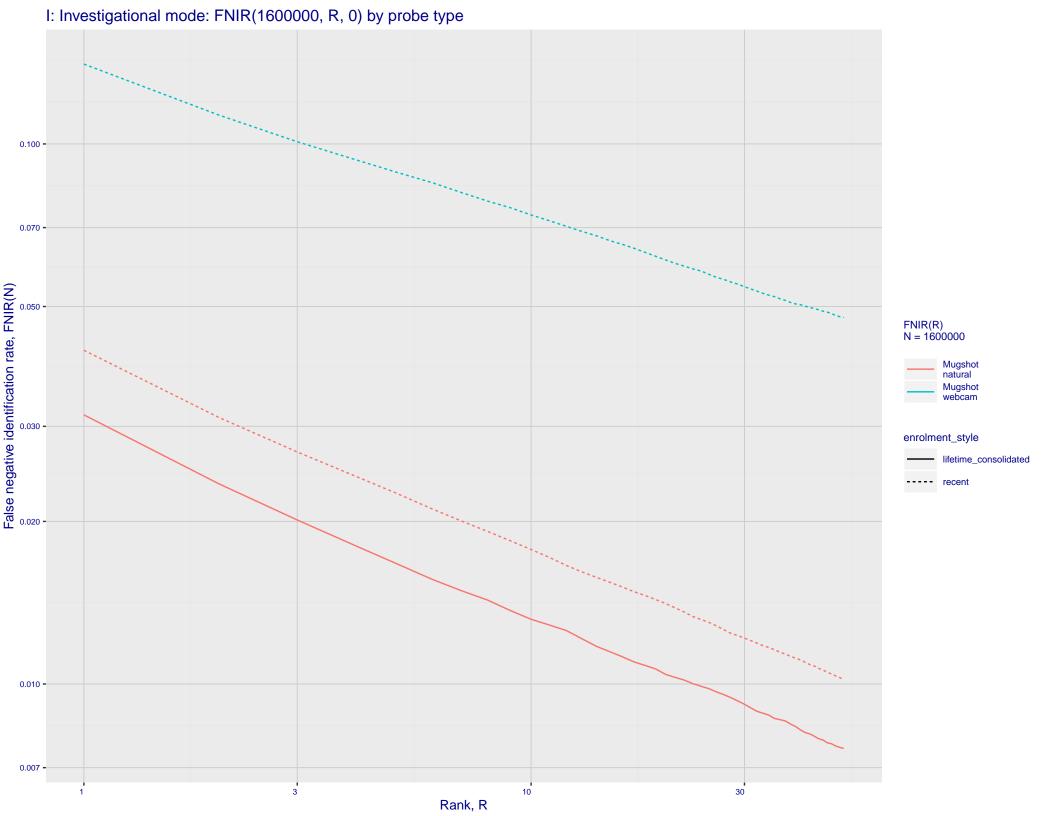
Frontal mugshot investigation rank 183 — FNIR(1600000, 0, 1) = 0.0415 vs. lowest 0.0010 from sensetime_004

natural investigation rank 172 -- FNIR(1600000, 0, 1) = 0.1406 vs. lowest 0.0067 from sensetime_003

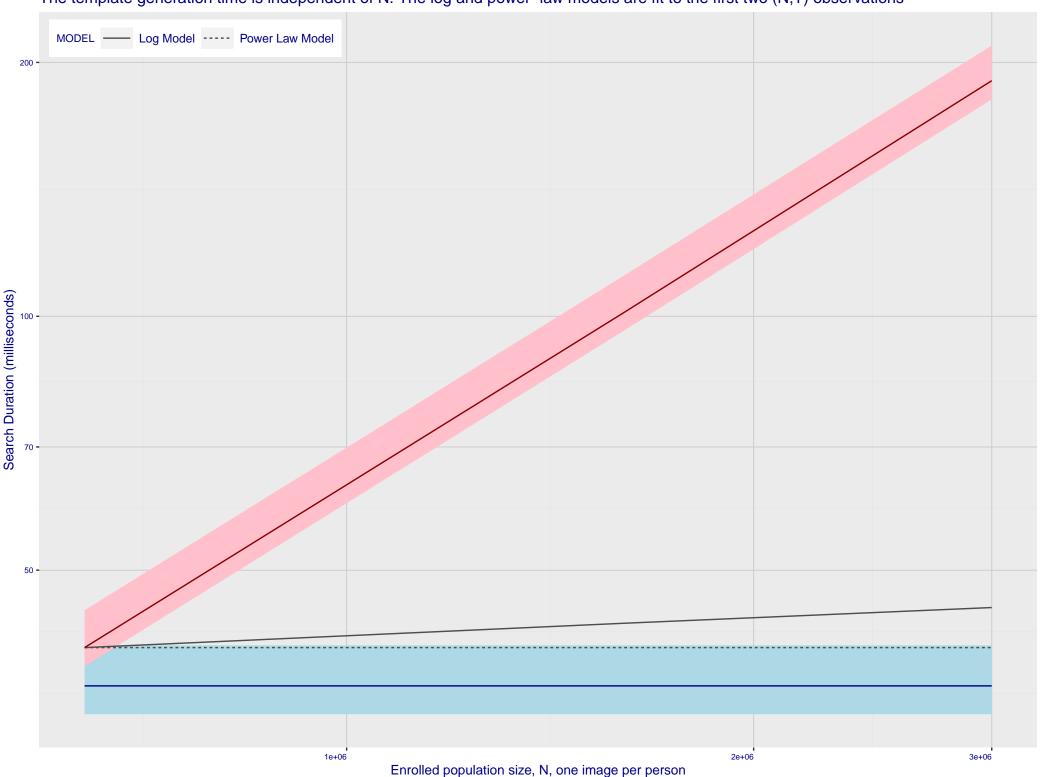
Frontal mugshot identification rank 159 -- FNIR(1600000, T, L+1) = 0.1927 vs. lowest 0.0018 from sensetime_004

natural identification rank 163 -- FNIR(1600000, T, L+1) = 0.4261 vs. lowest 0.0122 from sensetime_003





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



M: Identification FNIR(N, T, L+1) and Investigational FNIR(N, 0, R) under ageing

