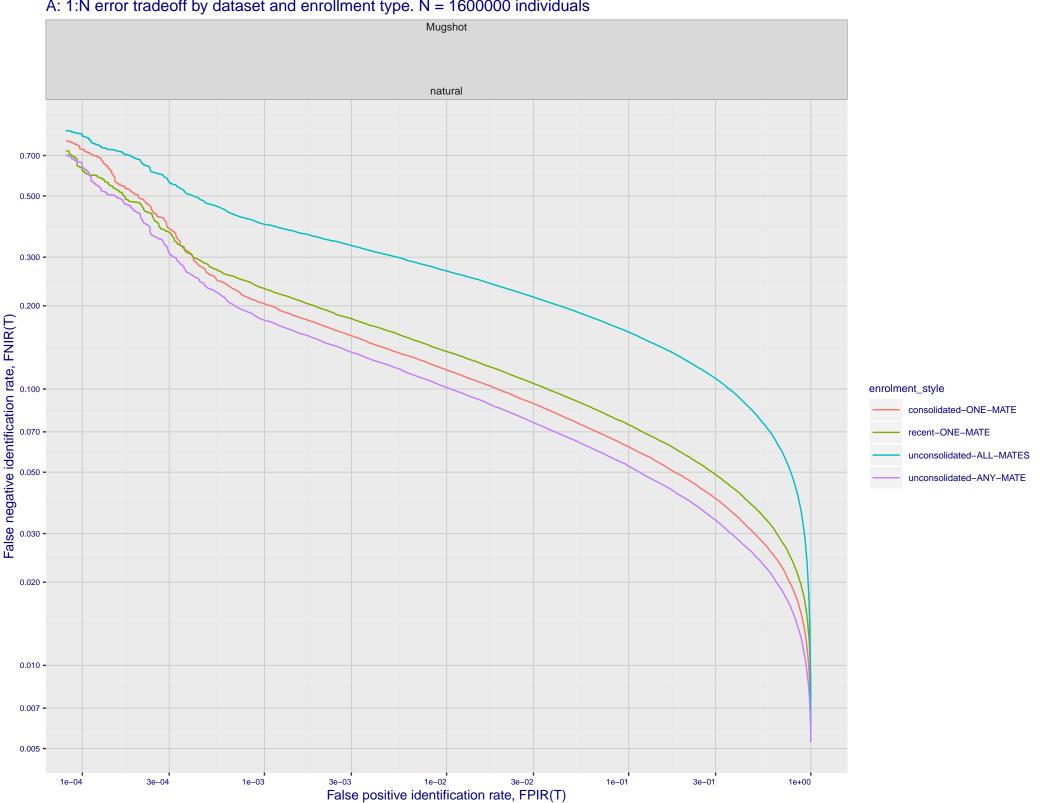
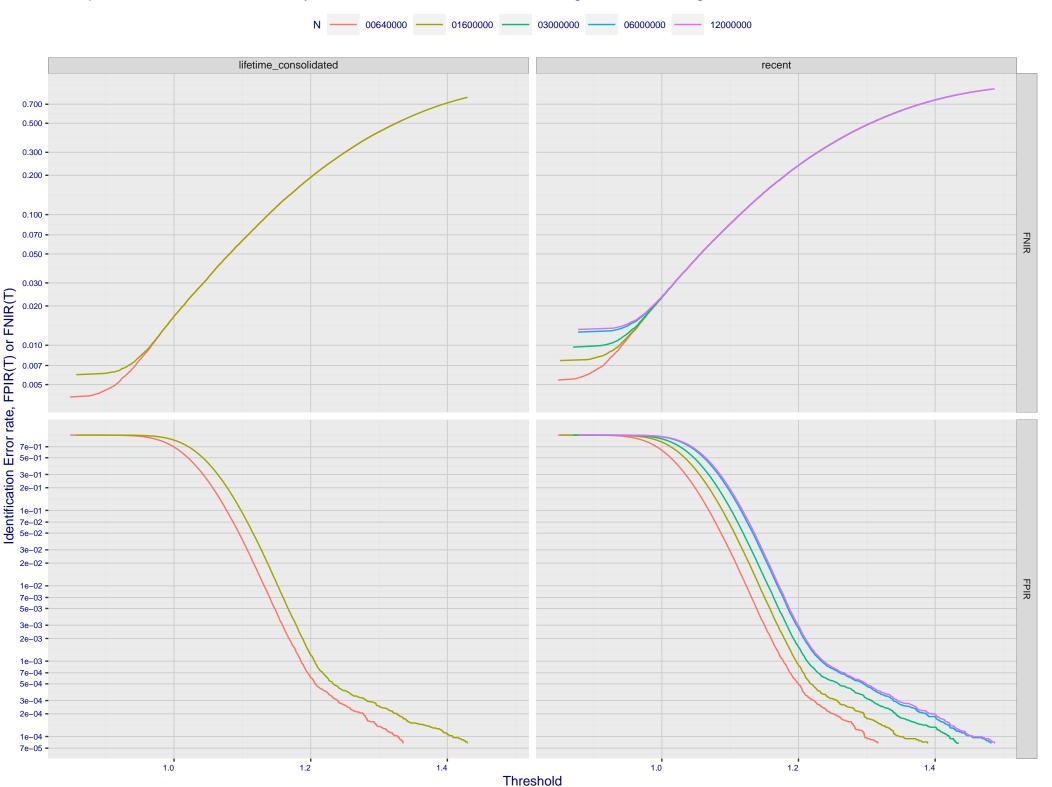
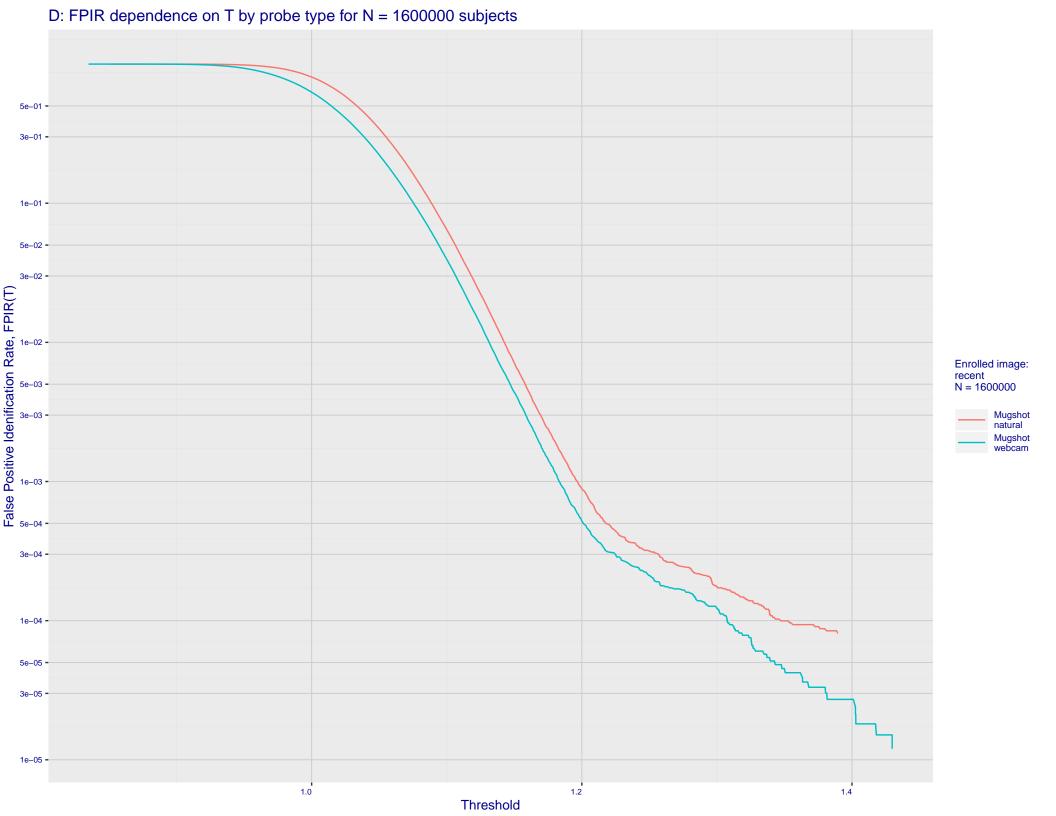
A: 1:N error tradeoff by dataset and enrollment type. N = 1600000 individuals

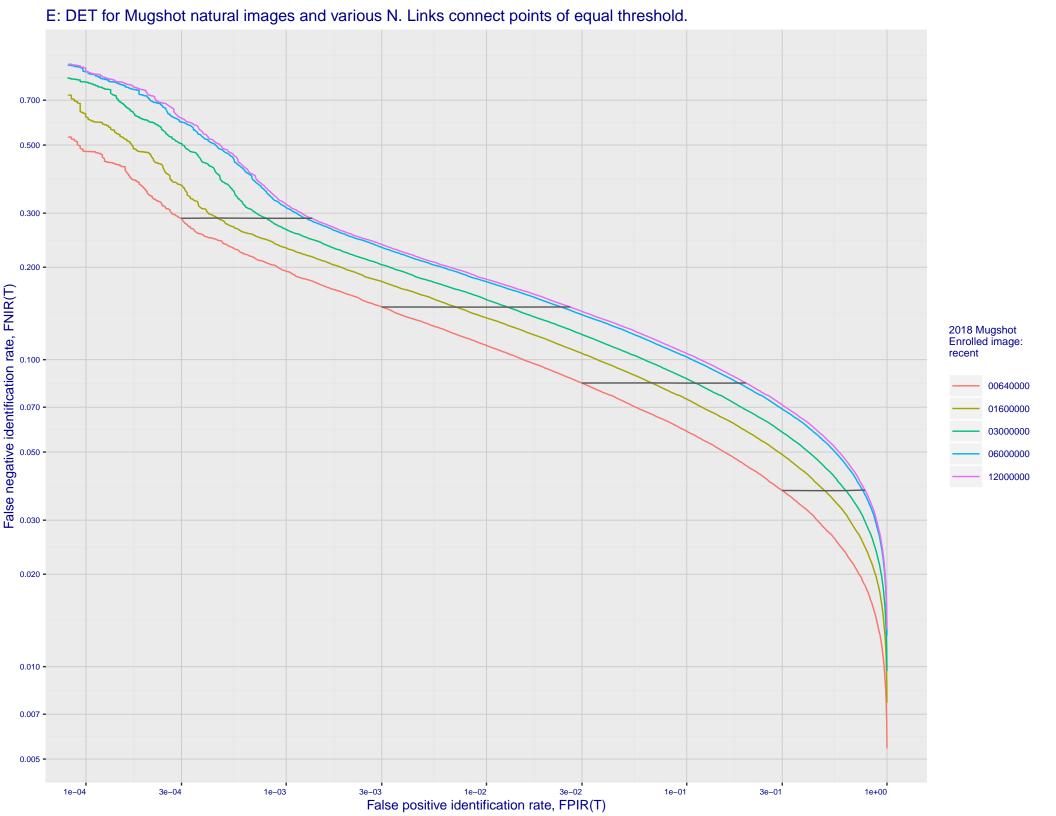


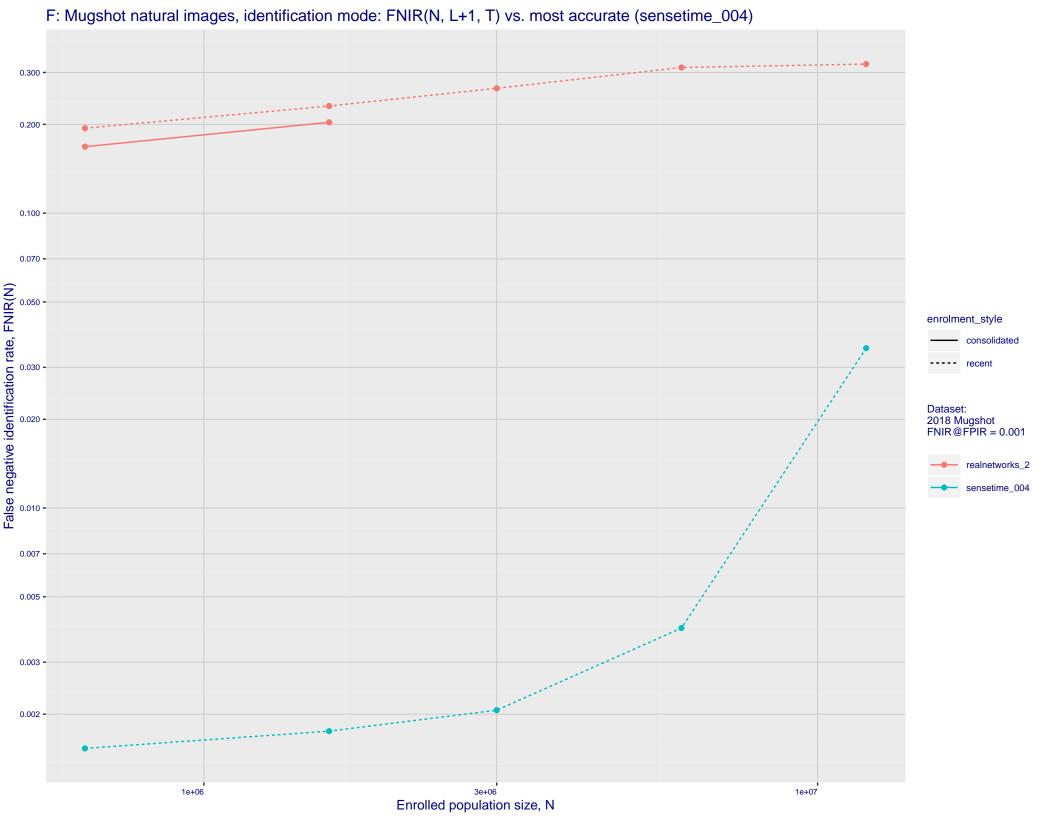
B: Dependence of error rates on T by number enrolled identities, N, for Mugshot natural images



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 -5e-02 -Enrolled images: recent N = 1600000S 3e-02 - 1e-02 - 1e-02 -Mugshot 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 -3e-03 1e-05 3e-05 1e-04 3e-04 1e-01 3e-01 False Positive Idenification Rate, FPIR(T)







G: Datasheet

Algorithm: realnetworks_2

Developer: Realnetworks Inc

Submission Date: 2018_10_30

Template size: 4104 bytes

Template time (2.5 percentile): 236 msec

Template time (median): 242 msec

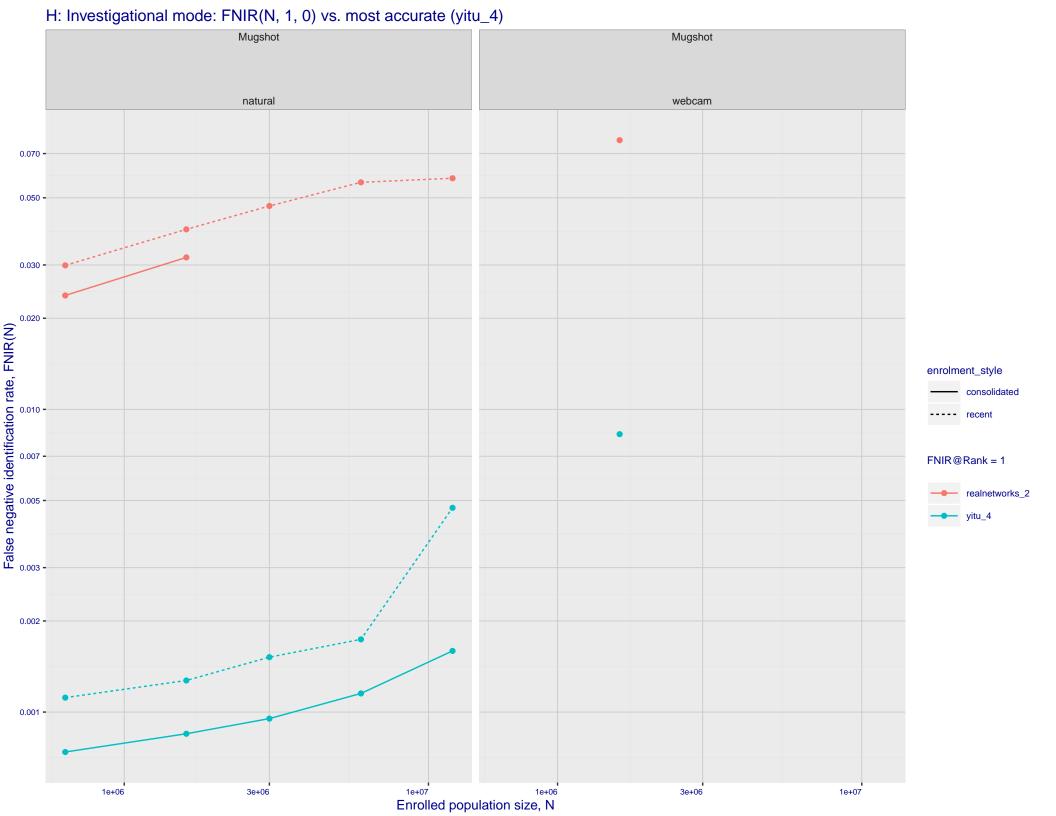
Template time (97.5 percentile): 264 msec

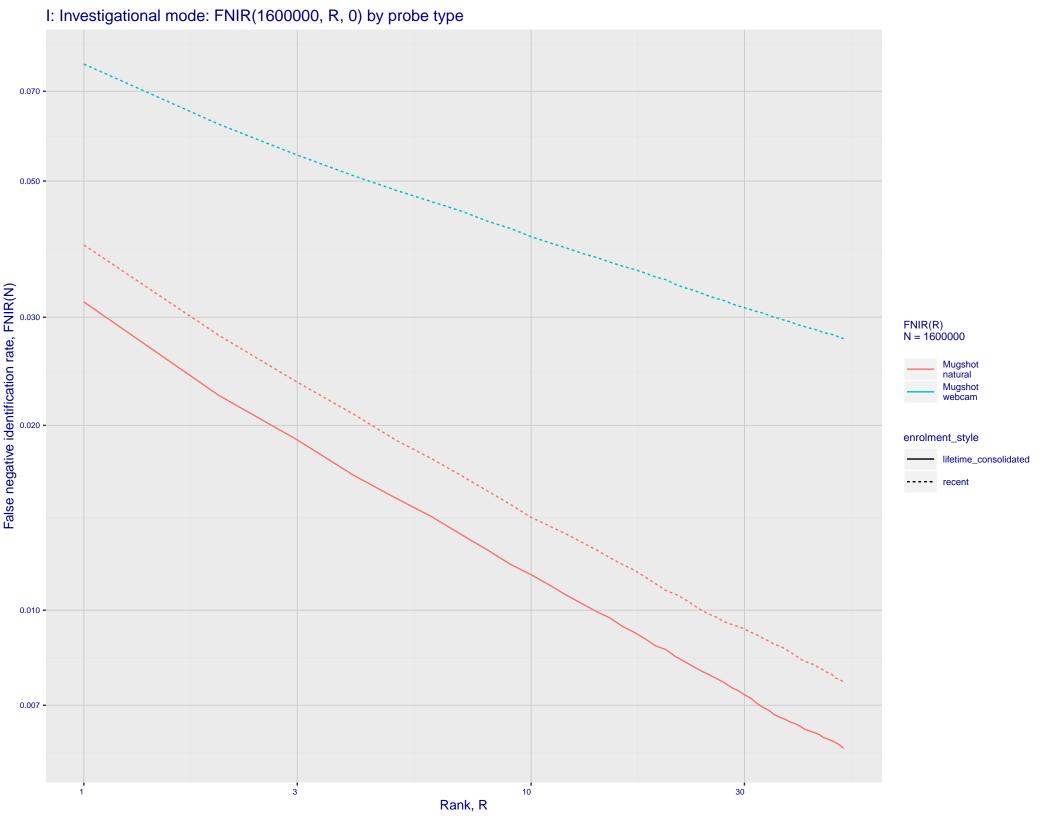
Frontal mugshot investigation rank 176 — FNIR(1600000, 0, 1) = 0.0393 vs. lowest 0.0010 from sensetime_004

natural investigation rank 157 — FNIR(1600000, 0, 1) = 0.0775 vs. lowest 0.0067 from sensetime_003

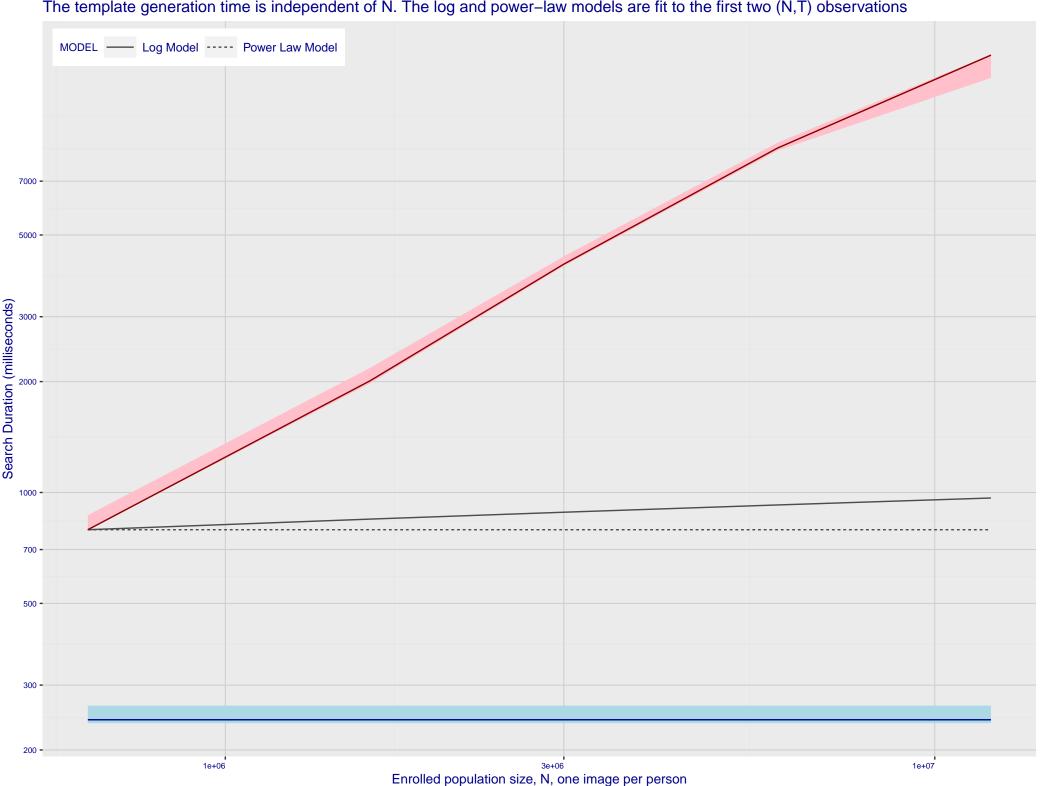
Frontal mugshot identification rank 167 -- FNIR(1600000, T, L+1) = 0.2308 vs. lowest 0.0018 from sensetime_004

natural identification rank 147 -- FNIR(1600000, T, L+1) = 0.3149 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

