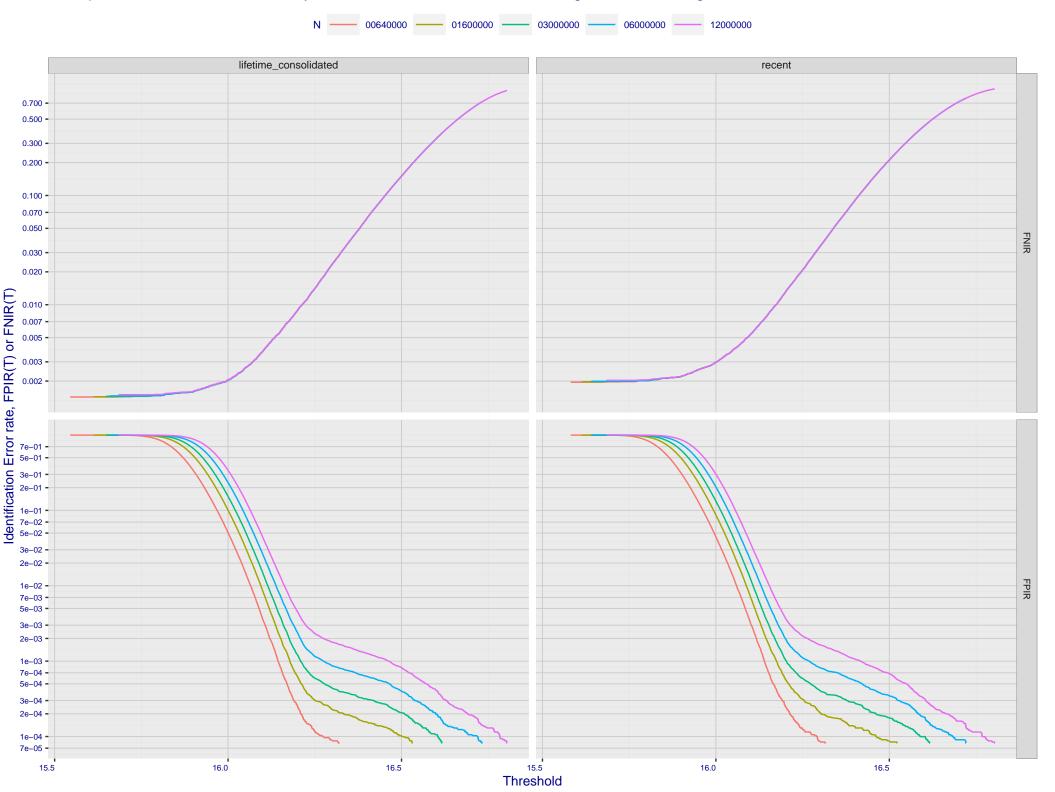
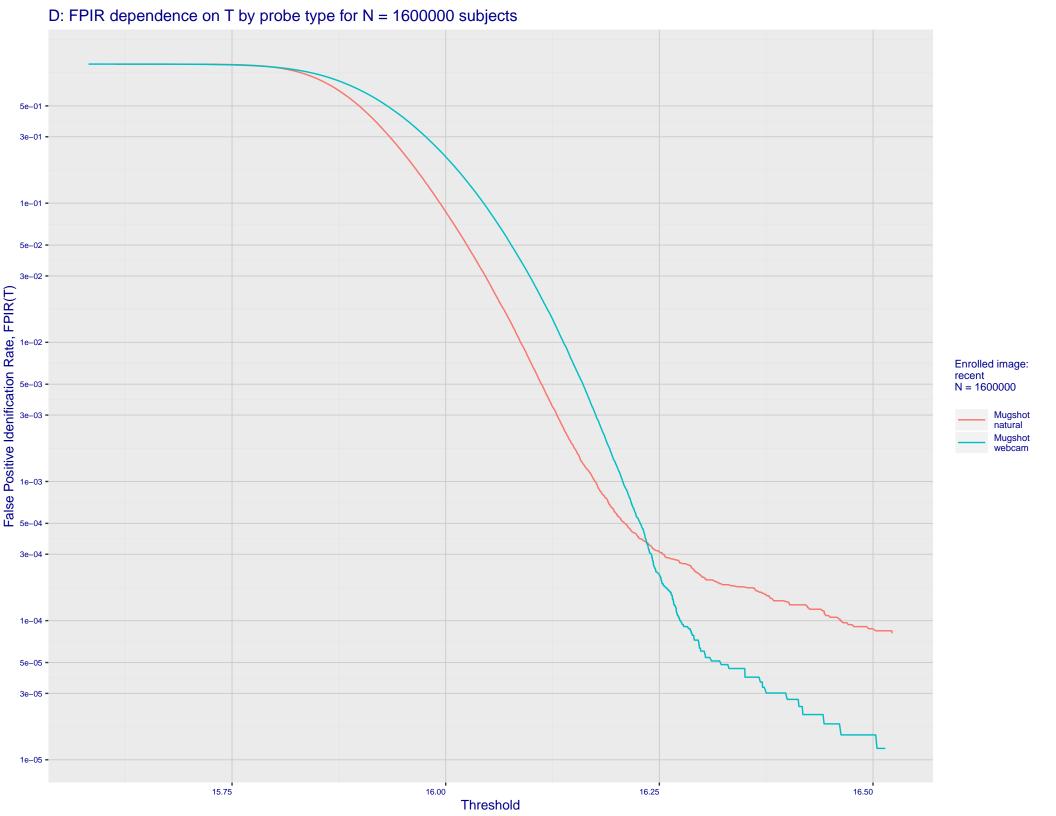
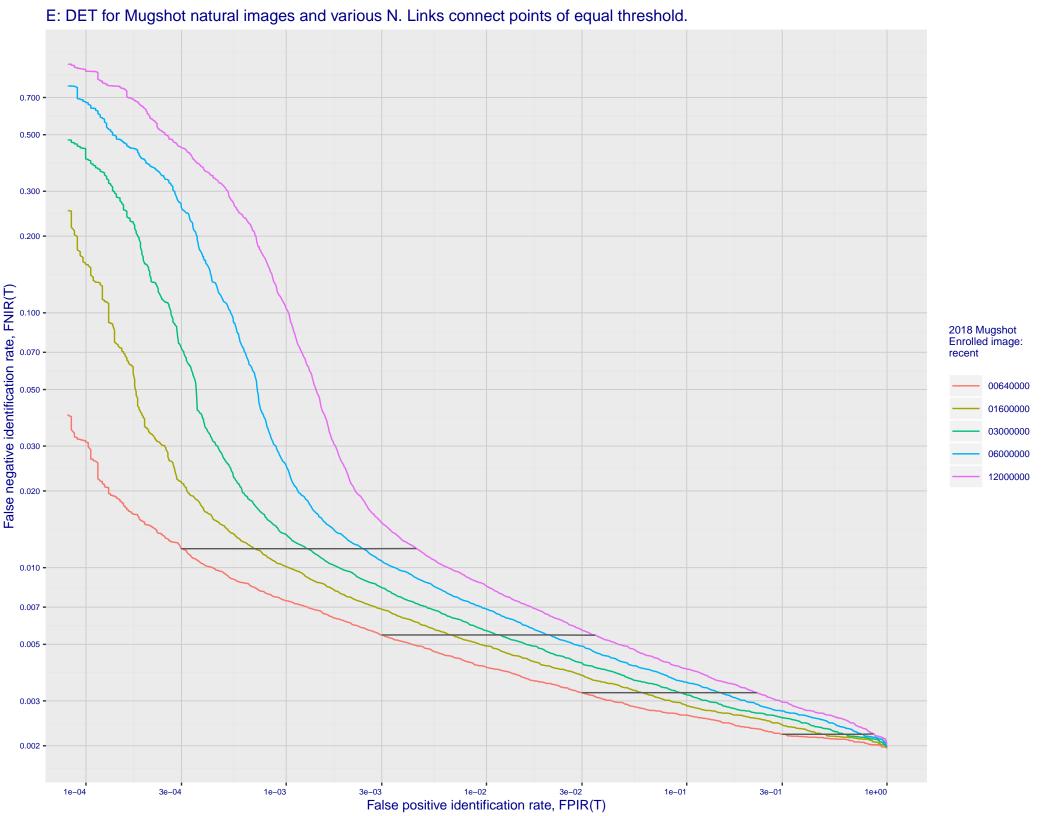


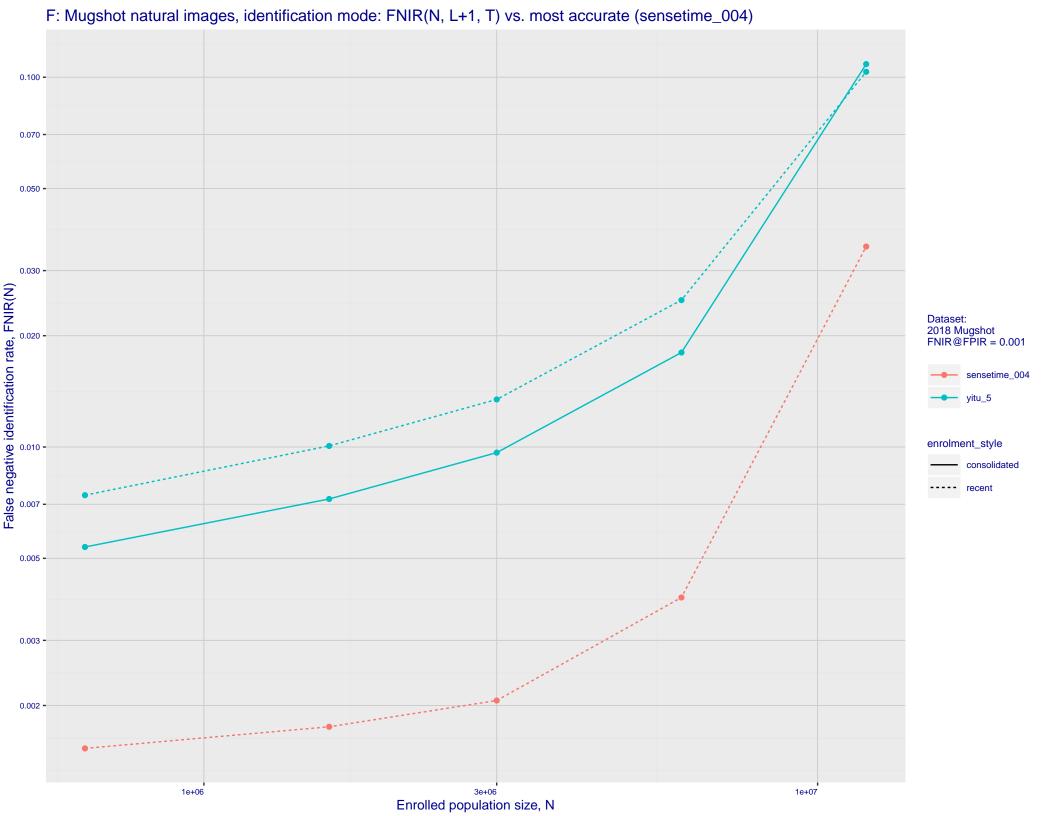
B: Dependence of error rates on T by number enrolled identities, N, for Mugshot natural images



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: yitu_5

Developer: Shanghai Yitu Technology

Submission Date: 2018_10_30

Template size: 2070 bytes

Template time (2.5 percentile): 852 msec

Template time (median): 853 msec

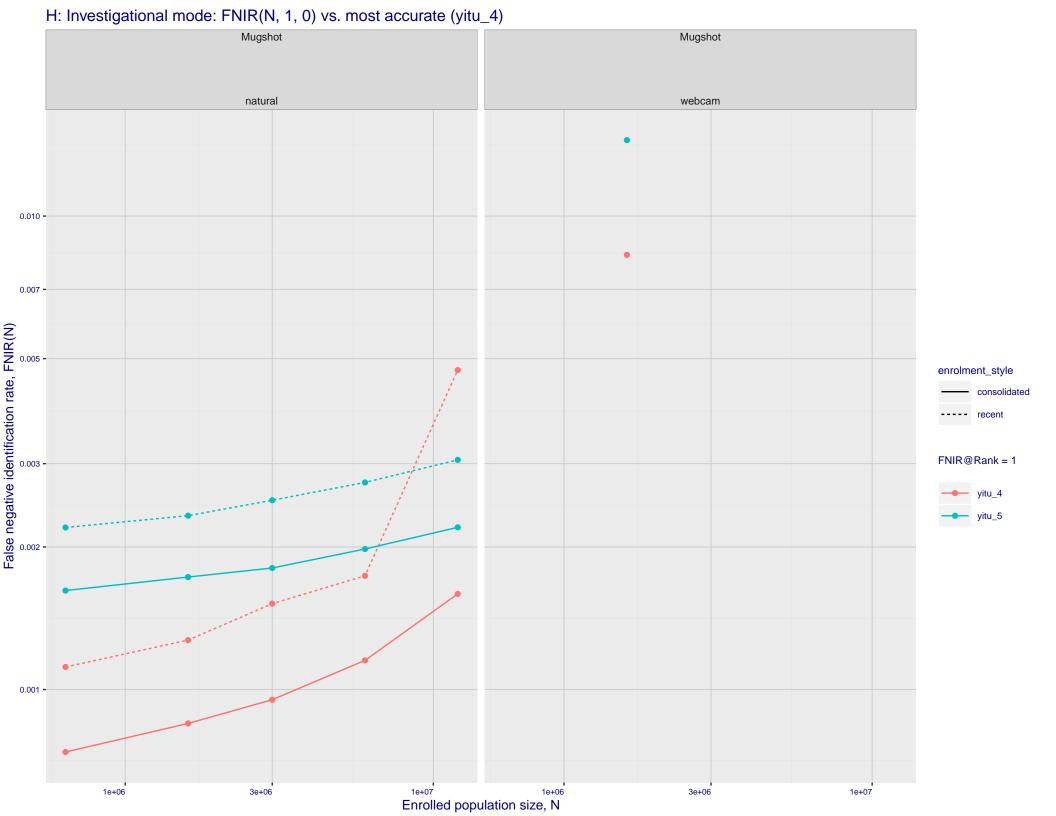
Template time (97.5 percentile): 928 msec

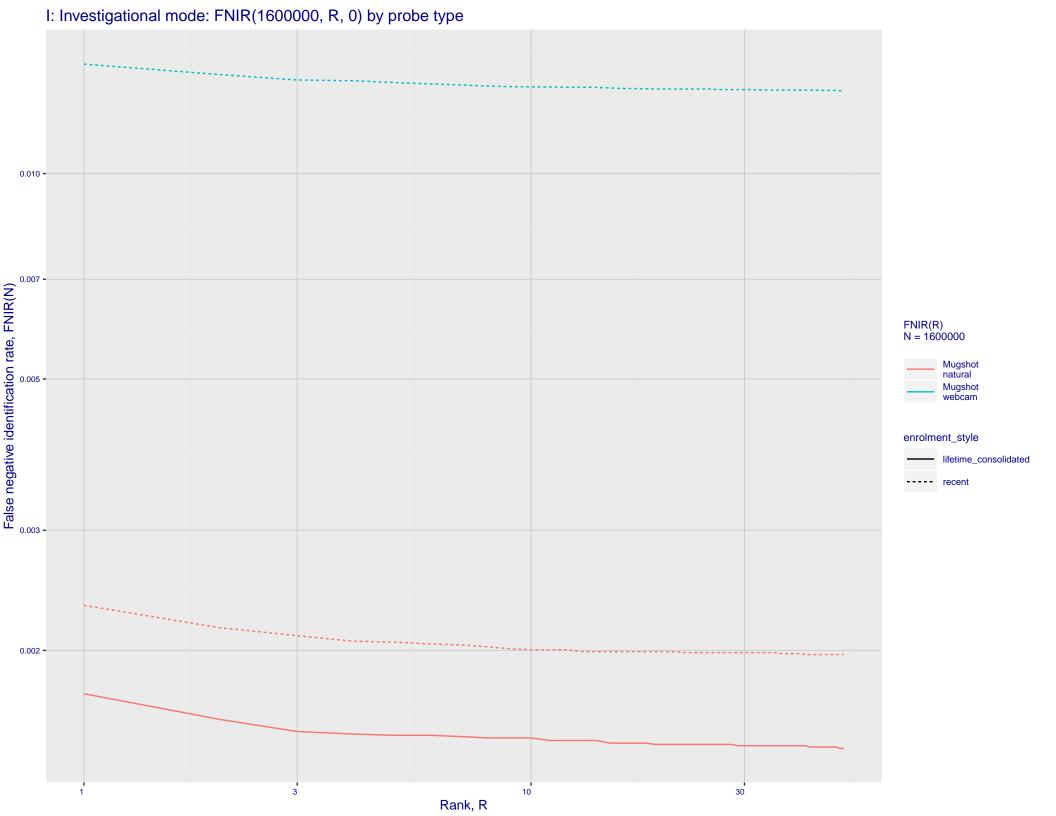
Frontal mugshot investigation rank 29 — FNIR(1600000, 0, 1) = 0.0023 vs. lowest 0.0010 from sensetime_004

natural investigation rank 29 -- FNIR(1600000, 0, 1) = 0.0145 vs. lowest 0.0067 from sensetime_003

Frontal mugshot identification rank 10 -- FNIR(1600000, T, L+1) = 0.0101 vs. lowest 0.0018 from sensetime_004

natural identification rank 10 -- FNIR(1600000, T, L+1) = 0.0322 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 - Log Model ---- Power Law Model 7000 5000 3000 2000 -1000 700 -500 -

Enrolled population size, N, one image per person

Search Duration (milliseconds)



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

