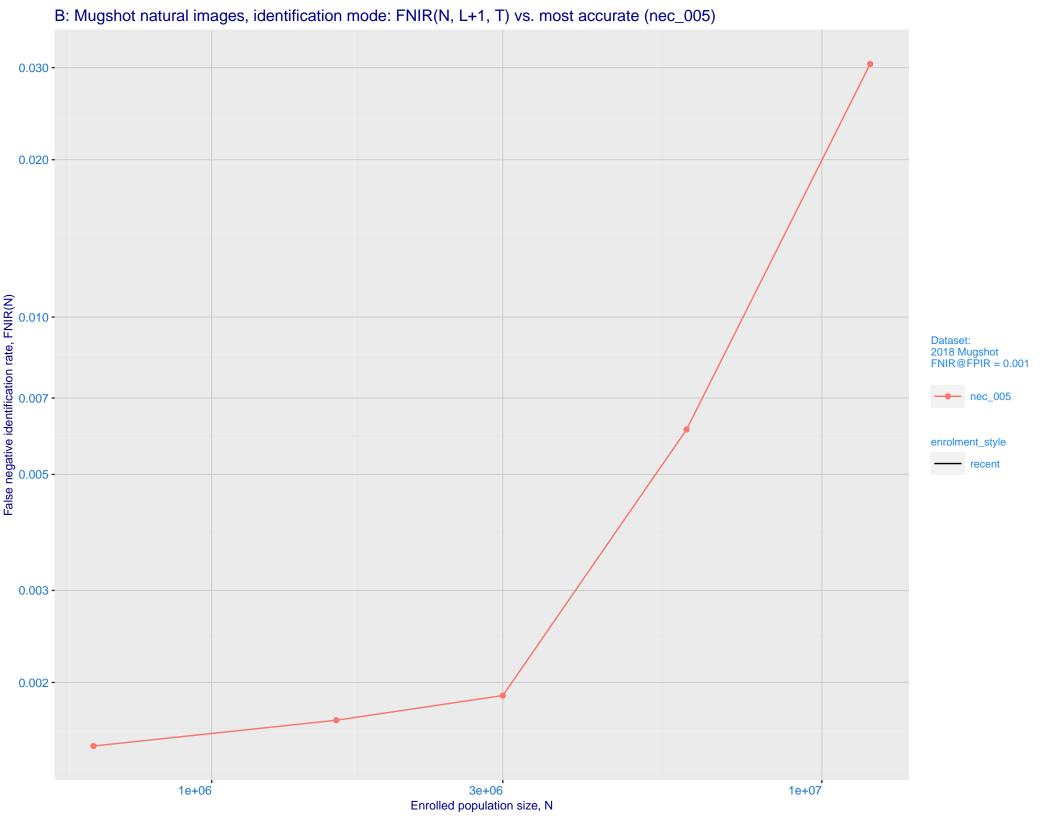
A: Datasheet

Algorithm: digidata_000 Investigation: Mugshot webcam ranking 295 (out of 304) -- FNIR(1600000, 0, 1) = 0.6689 vs. lowest 0.0056 from sensetime_007 Mugshot profile ranking 221 (out of 273) — FNIR(1600000, 0, 1) = 0.9559 vs. lowest 0.0521 from sensetime_007 Identification: Mugshot webcam ranking 273 (out of 302) -- FNIR(1600000, T, L+1) = 0.7522, FPIR=0.001000 vs. lowest 0.0093 from sensetime_007 Mugshot profile ranking 151 (out of 272) -- FNIR(1600000, T, L+1) = 0.9956, FPIR=0.001000 vs. lowest 0.1093 from cloudwalk_mt_000

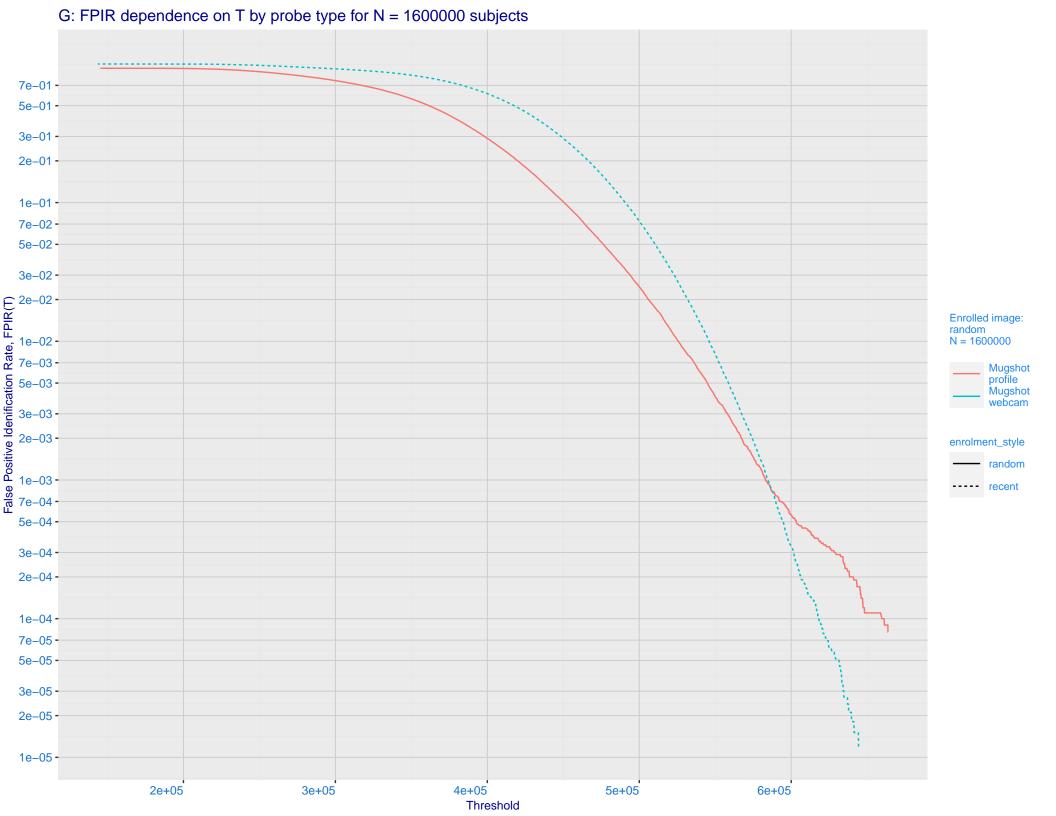


Date algorithm submitted to FRVT

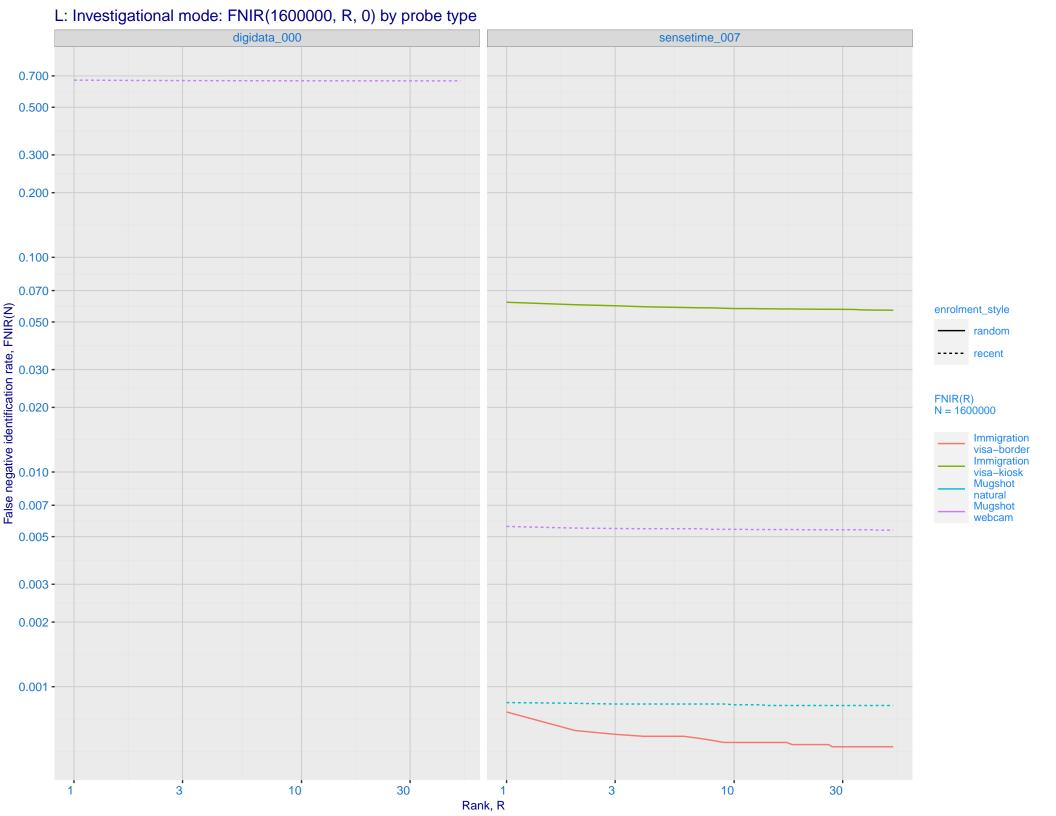
D: 1:N error tradeoff by dataset and enrollment type. N = 1600000 individuals Immigration Immigration Mugshot visa-border visa-kiosk natural 0.500 -0.300 -0.200 -0.100 -0.070 - 0.050 - 0.000 enrolment_style random-ONE-MATE recent-ONE-MATE 0.007 -0.005 -0.003 -0.002 -0.001 -

False positive identification rate, FPIR(T)

F: 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 -3e-02 -3e-02 -1e-02 -Enrolled images: recent N = 1600000 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-03 3e-03 1e-02 3e-02 1e-01 3e-01 False Positive Idenification Rate, FPIR(T)



K: Investigational mode: FNIR(N, 1, 0) vs. most accurate (sensetime_007) Immigration **Immigration** visa-border visa-kiosk 0.700 -0.500 -0.300 -0.200 -0.100 -0.070 -0.050 -0.030 -0.020 -0.010 -0.007 -0.005 -Ealse negative identification rate, FNIR(N) 0.003 - 0.001 - 0.001 - 0.500 - 0.500 - 0.200 - 0. FNIR@Rank = 1 digidata_000 sensetime_007 Mugshot webcam Mugshot natural enrolment_style random ---- recent 0.100 -0.070 -0.050 -0.030 -0.020 -0.010 -0.007 -0.005 -0.003 -0.002 -0.001 -1e+06 3e+06 1e+07 1e+06 3e+06 1e+07 Enrolled population size, N



	M: 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
Search Duration (milliseconds)	
	Enrolled population size, N, one image per person

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



