

THE MYTH OF FACIAL RECOGNITION BIAS

"In the highest performing algorithms for one-to-many matches, the highest performing algorithms, we saw undetectable, the bias, the demographic differentials that we were, that we were measuring, we say are undetectable in the report."

— Charles Romine,

*NIST Information Technology Laboratory Director
Facial Recognition and Biometric Technology,
C-SPAN (Feb. 6, 2020)*

Since 2018, there has been a persistent belief that facial recognition technology (FRT) is both unreliable and prejudiced in terms of race and demographics.

However, FRT has undergone significant advancements and is now more sophisticated and precise than the human eye.

The National Institute of Standards and Technology (NIST), which conducts accuracy tests on more than 650 algorithms, reports that there are now over 100 algorithms capable of identifying a single photo from a lineup of over 12 million photos with an accuracy rate of over 99%.

WHAT IS NIST, & WHY IS IT THE MOST KNOWN TEST FOR FRT?

NIST evaluates facial recognition algorithms for accuracy in verification and identification use cases. Over 650 algorithms have been evaluated, including those submitted by China and Russia.

The NIST FRVT includes two tests, the 1:1 and 1:N, which measure accuracy across different photo types, demographics, genders, and ethnicities. The top 100 algorithms in the NIST FRVT 1:N test have over 99% accuracy for identifying a photo out of a lineup of 12 million mugshots.

**#1 IN U.S. &
#2 IN WORLD**

For the most difficult category
"Wild Photos"



Our database is the most representative of the population and is **not limited to criminal offenders** (mugshot database).



With over 30 billion publicly available images, Clearview AI's database covers a **multitude of ages, ethnicities, and physical characteristics**.

99+%

Accuracy for **all demographics**



VALIDATED

Validated by the **National Institute of Standards and Technology (NIST)**



DEPENDABLE

Our algorithm is **highly accurate in many different situations**, including wild photos, the most challenging



FAIR

Our system is highly accurate across **all racial demographics**