# How is eye biometrics better than fingerprint.

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## Abstract

It basically means that eye recognition is better than facial and fingerprint. Iris scan error rate is 1 in 131,000

## Background Research

The data or statistics to support this are also in the website,

https://www.youtube.com/watch?v=hv31ZE\$x oTQ. It says that as early as the 1950s, scientists and health professionals suggested that the unique characteristics of the iris could be used for ID purposes. But it wasn't until much later that a system to recognize and catalog these ID points was developed. The algorithm used for iris ID scanning targets about 240 unique features in an iris to determine identity. That's about 5 times as many as fingerprinting. The error rate is about one in a million—even less when you correlate it with other biometric scanning like fingerprinting and facial recognition. False negatives are about 10 times less common in iris scanning than in facial recognition. <a href="https://www.eff.org/pages/iris-">https://www.eff.org/pages/iris-</a> recognition This is also another website that

talks about the 240 features

## Procedures

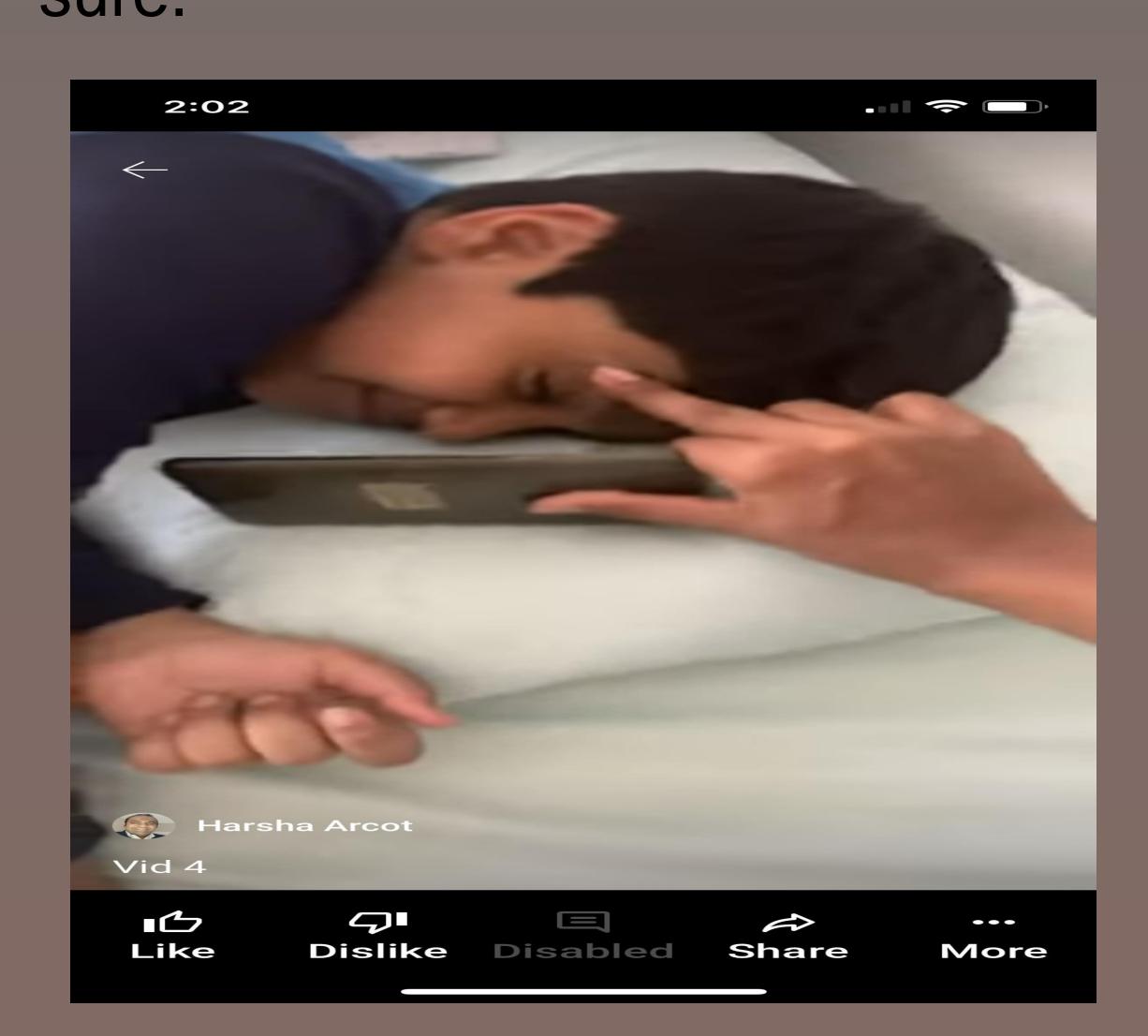
We got the phone and made sure we did not laugh. We registered are fingerprints and iris into the phone.

## Experiment

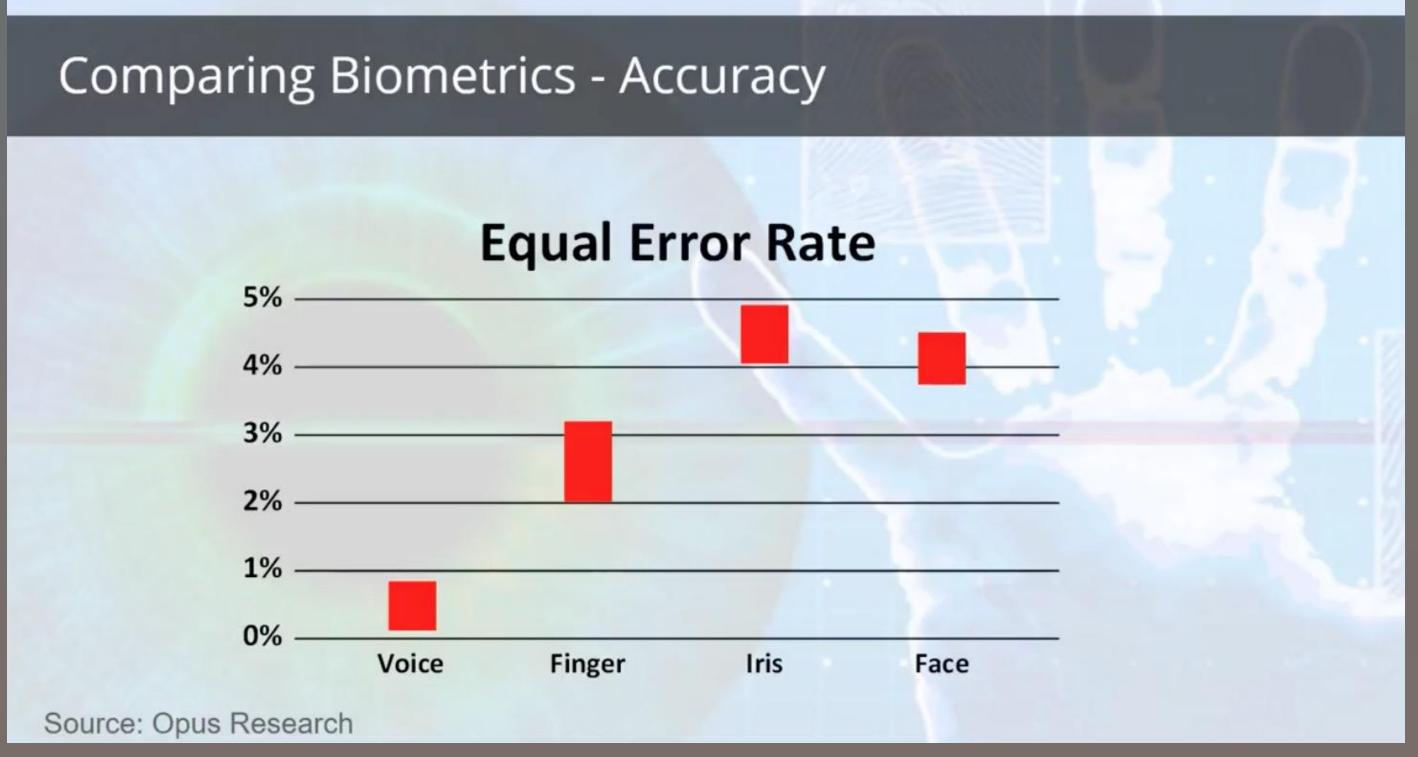
https://m.youtube.com/watch?v=OzUVSbGr 1mU

https://m.youtube.com/watch?v=bsdHyh9l9a4.

In one off the videos the thief got away because in deep sleep you can't fell a finger movement. In the other video the thief didn't get away because movement in iris will make you wake up for sure.



# Who was outcome Caught registered Got in no iris Did not get yes in



# 2:01 Harsha Arcot Project vid 2 Like Dislike Disabled Share More

### Conclusions

I can conclude that eye recognition is the future for security, because it locks out thieves better, show in the experiment.

## References

https://visionsource.com/blog/iris-scanning-is-fascinating/

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