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»MixFaceNets: Extremely Efficient Face Recognition, Networks«

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PROBLEM

➢ Securely verifying a person’s identity on edge devices without transmitting sensitive biometric data to the server requires lightweight deep learning models for these resource-constrained devices

➢ State of the art face recognition networks require high computational resources beyond the capabilities of many mobile and embedded applications
The growing demand for ML models that run on edge devices makes model optimization essential.

Any kind of efficiency gain reduces the large carbon footprint of data centers used to train and deploy ML models.

RESULT

The present a set of extremely efficient and high throughput models for accurate face verification.

MixFaceNets achieved results comparable to the top-ranked models, while using significantly fewer FLOPs and less computation over-head.

PREISTRÄGER »IMPACT ON BUSINESS«

USP

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MixFaceNets achieved results comparable to the top-ranked models, while using significantly fewer FLOPs and less computation over-head.