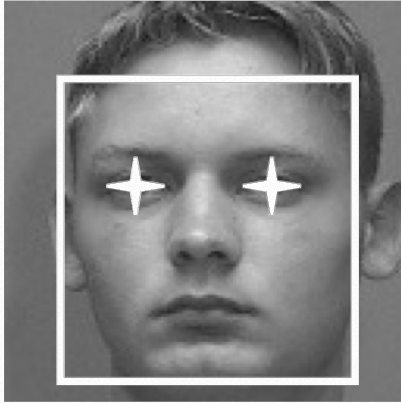


Open Source Biometric Recognition

A communal biometrics framework supporting the development of open algorithms and reproducible evaluations.



### Detection

- Eyes
- Face
- Keypoints
- Landmarks

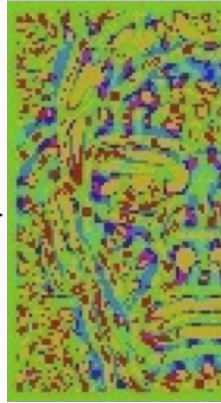
+



### Normalization

- Color Conversion
- Enhancement
- Filtering
- Registration

+

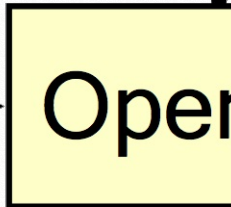


### Representation

- Binary Patterns
- Keypoint Descriptors
- Orientation
- Wavelets

### Data

- CUFS
- CUFSF
- FERET
- MEDS
- FRGC
- HFB
- LFW
- PCSO



### Design

- Plugin Framework
- Algorithm Interface
- Model Training

Version 1.1.0

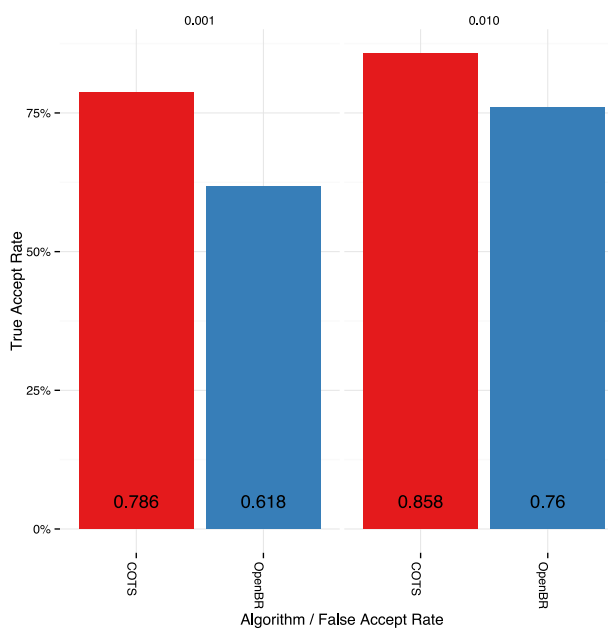
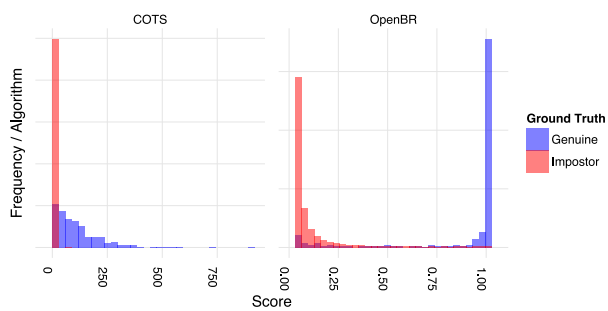
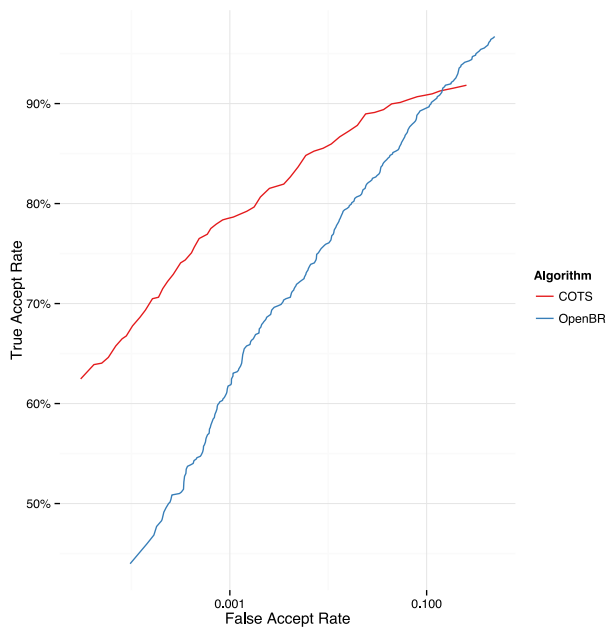
9/29/15

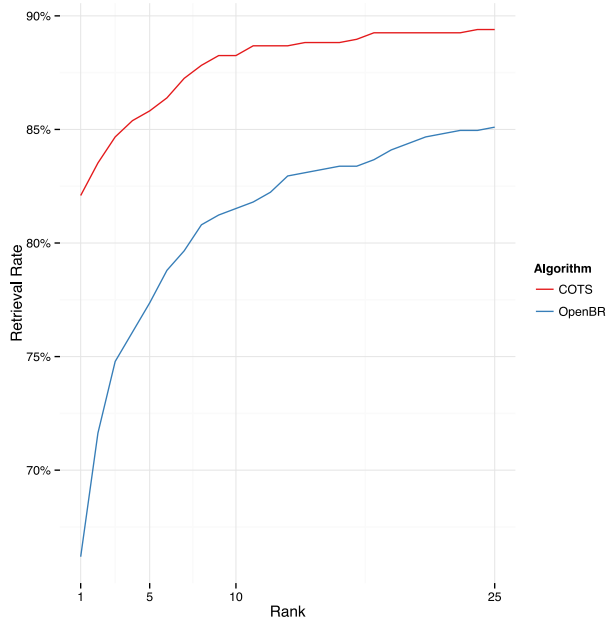
- [Download source](#)
- [Build source](#)
  - [Windows](#)
  - [OS X](#)
  - [Linux](#)
  - [Raspbian](#)
- [Documentation](#)

#### Get Started

- [Face Recognition](#)
- [Age Estimation](#)
- [Gender Estimation](#)
- [Face Recognition Evaluation](#)

```
$ br -algorithm FaceRecognition -compare me.jpg you.jpg
$ br -algorithm AgeEstimation -enroll me.jpg you.jpg metadata.csv
$ br -algorithm GenderEstimation -enroll me.jpg you.jpg metadata.csv
```





Accuracy on NIST [MEDS](#) Database, [reproduce](#) the results.







## Development

OpenBR is supported on Windows, Mac OS X, and Debian Linux. The project is licensed under [Apache 2.0](#) and releases follow the [Semantic Versioning](#) convention. Internally the code base uses the [CMake](#) build system and requires [Qt](#) and [OpenCV](#).

Star 1,999 Fork 531

## Developers

Join us on [GitHub](#) and [volunteer!](#)

-  [Josh Klontz](#)
-  [M. Taborsky](#)
-  [Charles Otto](#)
-  [Brendan Klare](#)
-  [Scott Klum](#)
-  [Austin Blanton](#)

## Support

 [openbr-dev@googlegroups.com](mailto:openbr-dev@googlegroups.com)

Need enterprise support? The [OpenBR core development team](#) offers [custom algorithm development](#) and sells an [industry-leading facial recognition SDK](#) through our company [Rank One Computing](#).