

Fact sheet: ECCV 2020 ChaLearn Looking at People 1st Fair Face Recognition Challenge

This is the fact sheet’s template for the ECCV 2020 ChaLearn Fair Face Recognition Challenge [1]. Please fill out the following sections carefully in a scientific writing style. Then, send the compressed project (in .zip format), i.e., the generated PDF, .tex, .bib and any additional files to juliojj@gmail.com, and put in the Subject of the email “ECCVW 2020 FairFaceRec Challenge / Fact Sheets”, following the schedule and instructions provided in the Challenge webpage [1] (post-challenge/fact sheets).

I. TEAM DETAILS

- Team leader name:
- Username on Codalab:
- Team leader affiliation:
- Team leader address:
- Team leader phone number:
- Team leader email:
- Name of other team members (and affiliation):
- Team website URL (if any):

II. CONTRIBUTION DETAILS

A. Title of the contribution

Provide a brief summary of the method and contributions (i.e., “abstract”).

B. Introduction and Motivation

In this part you will introduce and motivate your method design and justify the importance of the approach. We expect a short comparison with previous work and a clear explanation of pros and cons of the proposed approach with respect to related work.

C. Representative image / workflow diagram of the method

An image (or several images) to support method description to better understand the approach and model pipeline. You can refer to these images in the method description part.

D. Detailed method description

Provide a technical and detailed description of the method and contributions. The explanations must be self-contained and one must be able to reproduce the approach by reading this section. You can explain and justify the approach by any means, e.g. citations, equations, tables, algorithms, platforms and code libraries utilised, etc. We expect a detailed explanation of the architecture, preprocessing, loss function, training details and hyper-parameters.

E. Challenge results and final remarks

Fill Table I with your obtained results, shown in the leaderboard of the challenge¹. Note, if you joined the challenge in the test phase, keep the “development” row blank.

TABLE I

LEADERBOARD: RESULTS OBTAINED BY THE PROPOSED APPROACH.

Phase	Rank	Bias positive pairs	Bias negative pairs	Accuracy
Development				
Test				

III. ADDITIONAL METHOD DETAILS

Please reply if your challenge entry considered (or not) the following strategies and provide a brief explanation.

- **Did you use pre-trained models?** () Yes, () No
If yes, please detail:
- **Did you use external data?** () Yes, () No
If yes, please detail:
- **Did you use other regularization strategies/terms?** () Yes, () No
If yes, please detail:
- **Did you use handcrafted features?** () Yes, () No
If yes, please detail:
- **Did you use any face detection, alignment or segmentation strategy?** () Yes, () No
If yes, please detail:
- **Did you use ensemble models?** () Yes, () No
If yes, please detail:
- **Did you use different models for different protected groups?** () Yes, () No
If yes, please detail:
- **Did you explicitly classify the legitimate attributes?** () Yes, () No
If yes, please detail:
- **Did you explicitly classify other attributes (e.g. image quality)?** () Yes, () No

¹<https://competitions.codalab.org/competitions/24123>

If yes, please detail:

- **Did you use any pre-processing bias mitigation technique (e.g. rebalancing training data)?**

☐ Yes, ☐ No

If yes, please detail:

- **Did you use any in-processing bias mitigation technique (e.g. bias aware loss function)?**

☐ Yes, ☐ No

If yes, please detail:

- **Did you use any post-processing bias mitigation technique?** ☐ Yes, ☐ No

If yes, please detail:

IV. CODE REPOSITORY

Link to a code repository with complete and detailed instructions so that the results obtained on Codalab can be reproduced locally. This includes a list of requirements, pre-trained models, and so on. Note, training code with instructions is also required. This is recommended for all participants and mandatory for winners to claim their prize. **Organizers strongly encourage the use of docker to facilitate reproducibility.**

Code repository: `http://your_link_here`

REFERENCES

- [1] ChaLearnLAP. ECCV 2020 ChaLearn Fair Face Recognition Challenge. [Online]. Available: <http://chalearnlap.cvc.uab.es/challenge/38/description/>