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DI ROMA

Charter for the use of the UCBM-ELT dataset

v. 1.0

Preamble

The UCBM-ELT dataset is a collection of 648 videos recorded in indoor/outdoor scenarios at a frame rate of 30 fps and a resolution of 1920 x 1080 px, designed to solve the classification of human actions task. The videos were acquired between May 2022 and July 2022 at the Università Campus Bio-Medico di Roma (<https://www.unicampus.it/>), in collaboration with ELT Elettronica Group (<https://www.elgroup.net/>), in the research unit of Computer Systems and Bioinformatics, Department of Engineering (<http://www.cosbi-lab.it/>). The dataset contains 9 single-person-daily actions (Point, Wave, Jump, Crouch, Sneeze, SitDown, StandUp, Walk, PersonRun) obtained from 36 subjects, each action is performed twice by every actor, once in a well-lit environment and once in a dark or low-light setting to replicate nighttime conditions. The actors were free to act naturally and spontaneously, according to their personal interpretation. This resulted in great variability in angle, distance from the camera lens, and the Field Of View of the footage that contributed to more realistic and challenging scenarios.

The following considerations pertain to all existing formats (i.e., original videos and their frames) and all future derived information and data, e.g., new extractions, or in general any copies, with or without manipulation – of the original files. It also pertains to all rating or analysis data provided in the corpus data bank.

UCBM-ELT dataset will be made available to specific researchers for research purposes only (commercial use is excluded, and also commercial use of any results from UCBM-ELT dataset) after a definitive version of the corpus was established and the development work of the UCBM-ELT dataset group was published.

Conditions for using the UCBM-ELT dataset

- 1) Researchers who wish to use the UCBM-ELT dataset are bound to report in their publication:
 - a. The performance of their system to the test material provided by us;
 - b. All stages of the procedure used to achieve this performance.
- 2) The registered researcher must have a stable academic affiliation (this excludes undergraduate and graduate students) and has the option to list three collaborators of the same research group beyond which the data cannot be shared. The registered researcher remains responsible for the correct use of the material.
- 3) No copies will be made of the UCBM-ELT dataset (or parts of it – including new extractions, formats/compressions or any manipulation of the images).
- 4) The UCBM-ELT dataset will not be distributed to parties that are not listed in this agreement (other colleagues who want to use the UCBM-ELT dataset must register independently).
- 5) The UCBM-ELT dataset is not to be used for teaching purpose, even if the students do not keep copies of the material.
- 6) After any publication, the authors have to contact UCBM-ELT group leader (see below) notifying the publication and the reference of their work.
- 7) In any publication (conference proceedings, journal article, book chapter, etc.) the authors have to cite and refer to the description provided in:

Dobici, G.V., Minutillo, L., Cordelli, E., Chirico, F., Foglia, G., Soda, P. (2024). Leveraging key-points Encoded Human Pose Images for Human Activity Recognition, European Conference on Computer Vision (ECCV)

Agreement

By signing this document, the person in charge explicitly and fully agrees to all aforementioned conditions before receiving the material or parts of the material.

UCBM-ELT Group Project Leader:

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I have read and accept the terms and conditions for the use of the UCBM-ELT dataset stated above:

Name and surname:

Position:

Affiliation:

Email:

Phone number:

Fax number:

Scope of the research with the UCBM-ELT dataset:

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I am responsible for the correct use of the UCBM-ELT dataset by the following three associative researchers:

.....
(name and surname) (name and surname) (name and surname)

Date and place

Signature

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