1M-Deepfakes Detection Challenge 2024

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The goal of the AV-Deepfake1M database is to develop new techniques, technology, and algorithms for multimodal, content driven deepfake detection and localization. The licensors are involved in an ongoing effort to strengthen algorithm against highly realistic deepfakes. The dataset is meant to aid research efforts in the general area of developing, testing and evaluating algorithms for multimodal content driven deepfake detection and localization.

To advance the state-of-the-art in deepfake detection and localization, this dataset is made available to the research community. To receive a copy of the dataset, the requestor must agree to observe the conditions listed below.

The goal of the AV-Deepfake1M database is to develop new techniques, technology, and algorithms for predicting deepfake video along with the timestamps where a video is manipulated.

Use is permitted of the databases and annotations above in source and binary form, provided that the following conditions are met:

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• In no case should the still frames or video be used in any way that could cause the original subject embarrassment or mental anguish.

• You understand that the AV-Deepfake1M dataset is a deepfake dataset generated based on Voxceleb2. You also agree to all agreements of the VoxCeleb2 dataset.

• The authors of the dataset make no representations or warranties regarding the dataset, including but not limited to warranties of non-infringement or fitness for a particular purpose.

• You accept full responsibility for your use of the dataset and shall defend and indemnify the Authors of AV-Deepfake1M, against any and all claims arising from your use of the dataset, including but not limited to your use of any copies of copyrighted images that you may create from the dataset.

• Any publications arising from the use of this software, including but not limited to academic journal and conference publications, technical reports and manuals, must cite the following works:

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@article{cai2023avdeepfake1m,
  title = {AV-Deepfake1M: A Large-Scale LLM-Driven Audio-Visual Deepfake Dataset},
  action = {Cai, Zhixi and Ghosh, Shreya and Adatia, Aman Pankaj and Hayat,
Munawar and Dhall, Abhinav and Stefanov, Kalin},
  journal = {arXiv preprint arXiv:2311.15308},
  year = {2023},
}
@article{cai2023glitch,
  title = {Glitch in the Matrix: A Large Scale Benchmark for Content Driven Audio-
Visual Forgery Detection and Localization},
  author = {Cai, Zhixi and Ghosh, Shreya and Dhall, Abhinav and Gedeon, Tom and
Stefanov, Kalin and Hayat, Munawar},
  journal = {Computer Vision and Image Understanding},
  year = {2023},
  volume = {236},
  pages = {103818},
  issn = {1077-3142},
  doi = {10.1016/j.cviu.2023.103818},
}
@inproceedings{cai2022you,
  title = {Do You Really Mean That? Content Driven Audio-Visual Deepfake Dataset
and Multimodal Method for Temporal Forgery Localization},
  author = {Cai, Zhixi and Stefanov, Kalin and Dhall, Abhinav and Hayat, Munawar},
  booktitle = {2022 International Conference on Digital Image Computing:
Techniques and Applications (DICTA)},
  year = {2022},
  doi = {10.1109/DICTA56598.2022.10034605},
  pages = {1--10},
  address = {Sydney, Australia},
}
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