

# Dataset Details and References

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## Dataset Details

Table 1: Summary of Deepfake Datasets

Dataset	Description	Reference
<b>DFDC</b>	Largest and most diverse deepfake video dataset with over 100,000 clips. Includes multiple generation methods like <b>DFAE (Deepfake Autoencoder)</b> , <b>MM/NN (Morphable Mask/Neural Network)</b> , <b>NTH (Neural Talking Heads)</b> , and <b>FSGAN (Face Swapping GAN)</b> .	[1]
<b>FaceForensics++</b>	Standardized benchmark for facial manipulation detection. Contains 5,000 videos with real and manipulated content using FaceSwap, DeepFakes, Face2Face, and NeuralTextures.	[2]
<b>DeeperForensics-1.0</b>	Largest face forgery detection dataset with 60,000 videos. Uses <b>DF-VAE (DeepFake Variational Auto-Encoder)</b> for high-quality face swapping and includes diverse real-world perturbations.	[3]
<b>DF-TIMIT</b>	Created using GANs on VidTIMIT database. Contains 640 videos (low and high quality) with blending techniques like CNN-based segmentation and landmark alignment.	[4]
<b>UADFV</b>	Comprises 49 real and 49 Deepfake videos. Detection based on 3D head pose inconsistencies using DLib and OpenFace2.	[5]

## References

## References

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- [2] Andreas Rossler, Davide Cozzolino, Luisa Verdoliva, Christian Riess, Justus Thies, Matthias Niessner, *FaceForensics++: Learning to Detect Manipulated Facial Images*, 2019.
- [3] L. Jiang, R. Li, W. Wu, C. Qian and C. C. Loy, *DeeperForensics-1.0: A Large-Scale Dataset for Real-World Face Forgery Detection*, 2020.
- [4] Pavel Korshunov and Sébastien Marcel, *DeepFakes: a New Threat to Face Recognition? Assessment and Detection*, 2018.

- [5] Xin Yang, Yuezun Li, and Siwei Lyu, *Exposing Deep Fakes Using Inconsistent Head Poses*, 2018.