GAN-based Photo Video Synthesis

Summary of 3D Convolutional Neural Networks for Human Action Recognition
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Limitation of 2D CNNs

- Handle only 2D input
- Maps to the spatial dimensions only
- Cannot handle the motion information
3D Convolutional Neural Networks

- Capture both spatial and temporal dimensions
- Extract multiple features from contiguous frames
- Cannot handle the motion information
3D Convolutional Cube
3D CNN Architecture for Human Action Recognition
Conclusion

- 3D CNN model performs better
REFERENCE