

Report PAC18 Architecture Details

Network Architecture:

- Input: 64 x 64 x 64 cube
- 1- 3D Convolutional Layer
- 3- Dense Blocks with 3- 3D Convolutional Layers and Non-Linear Layer(ReLU)
- Avg-Pooling
- Unroll
- Fully Connected Layer 1
- Fully Connected Layer 2
- Sigmoid

Data Augmentation:

- Random Cropping
- Resizing
- Resampling
- TenCrop for Inference

Results:

- Achieving 64% of accuracy on held validation split

Doubts:

- Will scanner information matter for classification?
- How exactly radiologists look MRI for depression?

Link:

<https://github.com/koriavinash1/PAC18>