



PRHLT Group

International Workshop II 20/5/2020







Problem description

- Classification task to detect cases of pneumonia from x-ray images
- 4 classes: N, I, NI and C
- Problem reduced to 2 classes: C vs [N, NI]







Dataset preparation and preprocessing

- ECVL dataset generator for classification
 - Prepare the dataset structure
 - Create the .yml with the generator
- Preprocessing:
 - Resize to (256, 256)
 - Rotation [-10, 10]
 - Divide by 255



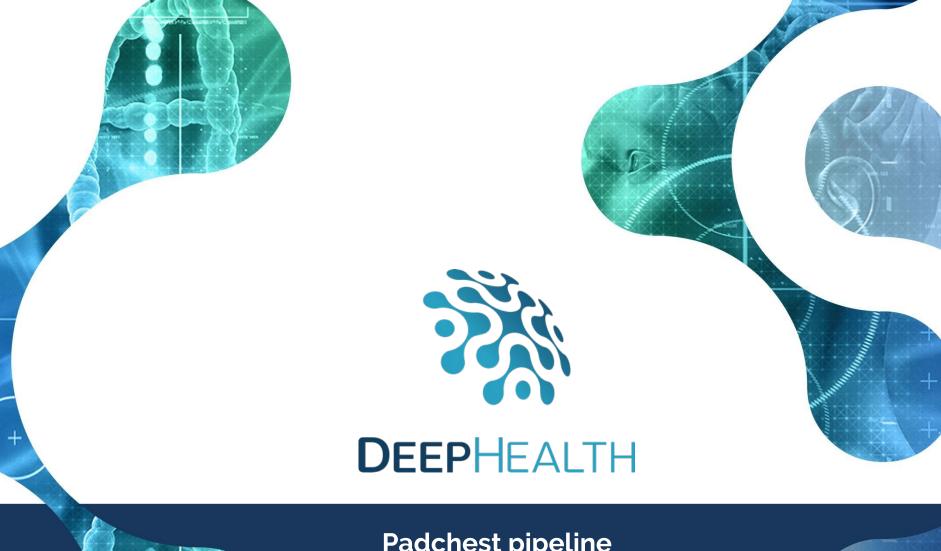




Model and training

- VGG16
- Adam optimizer (lr = 0.0001)
- Cross entropy loss
- Model checkpoint stored in ONNX







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