

Capstone Three - Cancer Prediction w/ CNNs

Predicting Cancerous Tissue in Breast Cancer Patients

1

3 Convolutional Layers (+ 2 Hidden)

Layers:

1. Convolution Layer: 32 - 3x3 w/ 2x2 Max Pool
2. Convolution Layer: 64 - 3x3 w/ 2x2 Max Pool
3. Convolution Layer: 64 - 3x3 w/ 2x2 Max Pool
4. Flattening Layer
5. Hidden Layer: 128 units
6. Hidden Layer: 128 units
7. Output Layer: 2 outputs

Accuracy

0.833

2

2 Convolutional Layers (+ 1 Hidden)

Layers:

1. Convolution Layer: 32 - 3x3 w/ 2x2 Max Pool
2. Convolution Layer: 64 - 3x3 w/ 2x2 Max Pool
3. Flattening Layer
4. Hidden Layer: 128 units
5. Output Layer: 2 outputs

Accuracy

0.836

3

2 Convolutional Layers (+ 0 Hidden)

Layers:

1. Convolution Layer: 32 - 3x3 w/ 2x2 Max Pool
2. Convolution Layer: 64 - 3x3 w/ 2x2 Max Pool
3. Flattening Layer
4. Output Layer: 2 outputs

Accuracy

0.843