

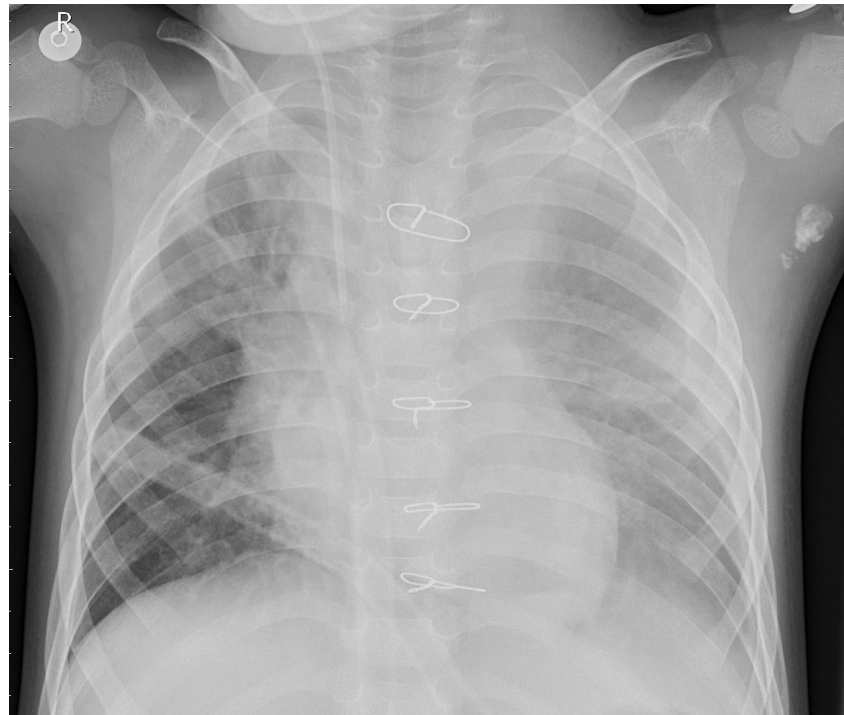
Machine Learning and Pneumonia

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By
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The Goal

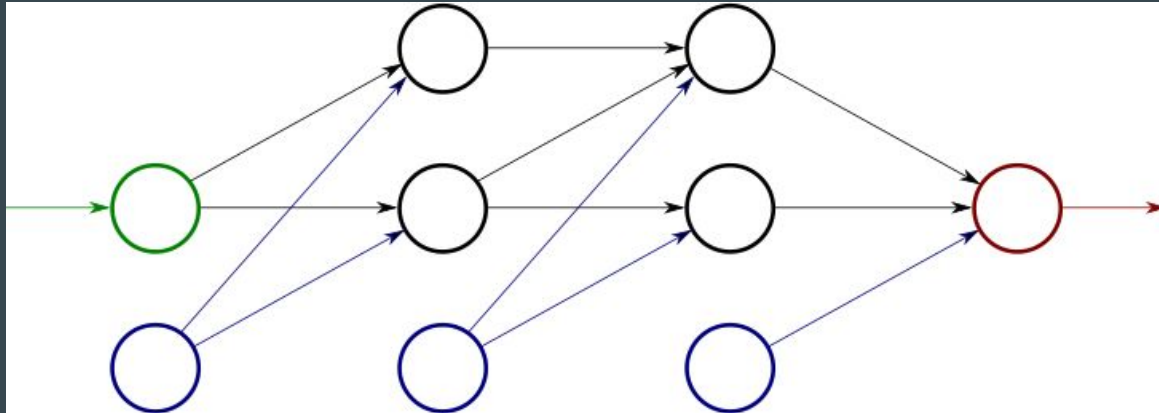
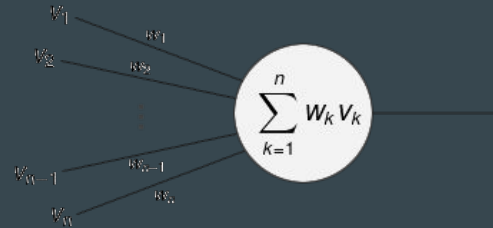
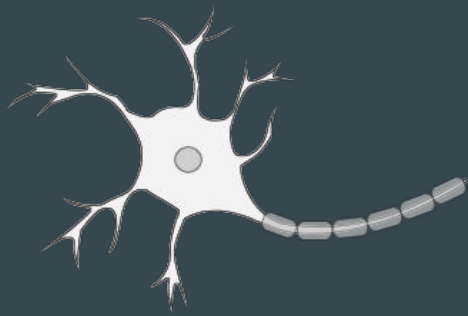
To determine which patients have pneumonia and who doesn't.



Free up doctors to do more doctor things



What is a Neural Network



Data

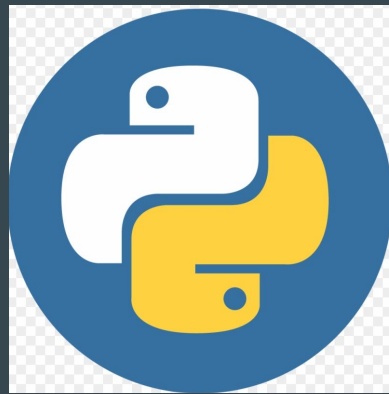
Total of about 5758 Images

~3500 xrays images are pneumonia

~1300 xray are normal (no pneumonia)

Tools

Libraries like Keras , Matplotlib,
Numpy



Keras

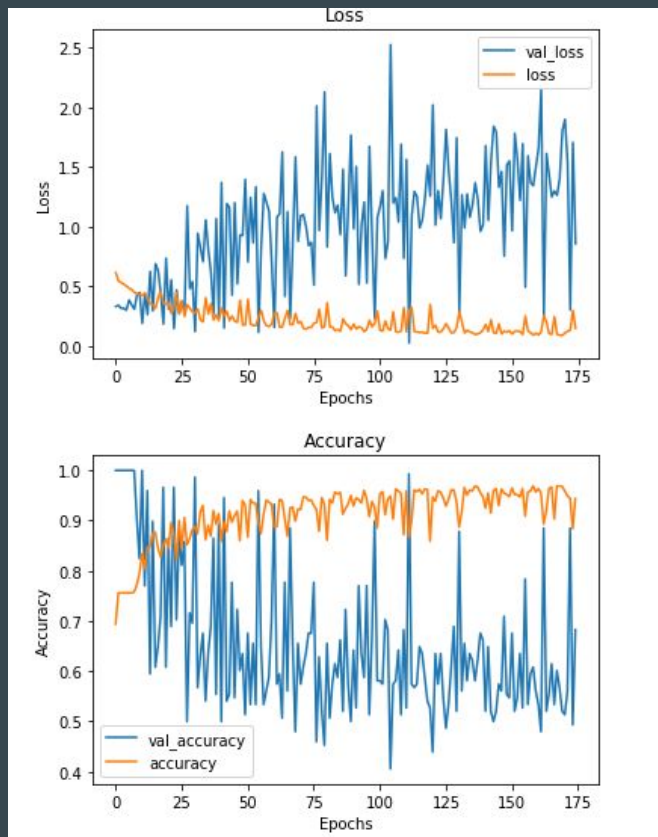
Convolutional Neural Network model

Model contained:

2 Hidden Layers

6 Drop Out Layer

5 Regularization Layers



Recommendations

Neural Network Models can be used to help diagnose patients with Pneumonia.



Next Steps

Build a model with a great recall

Thank You!

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