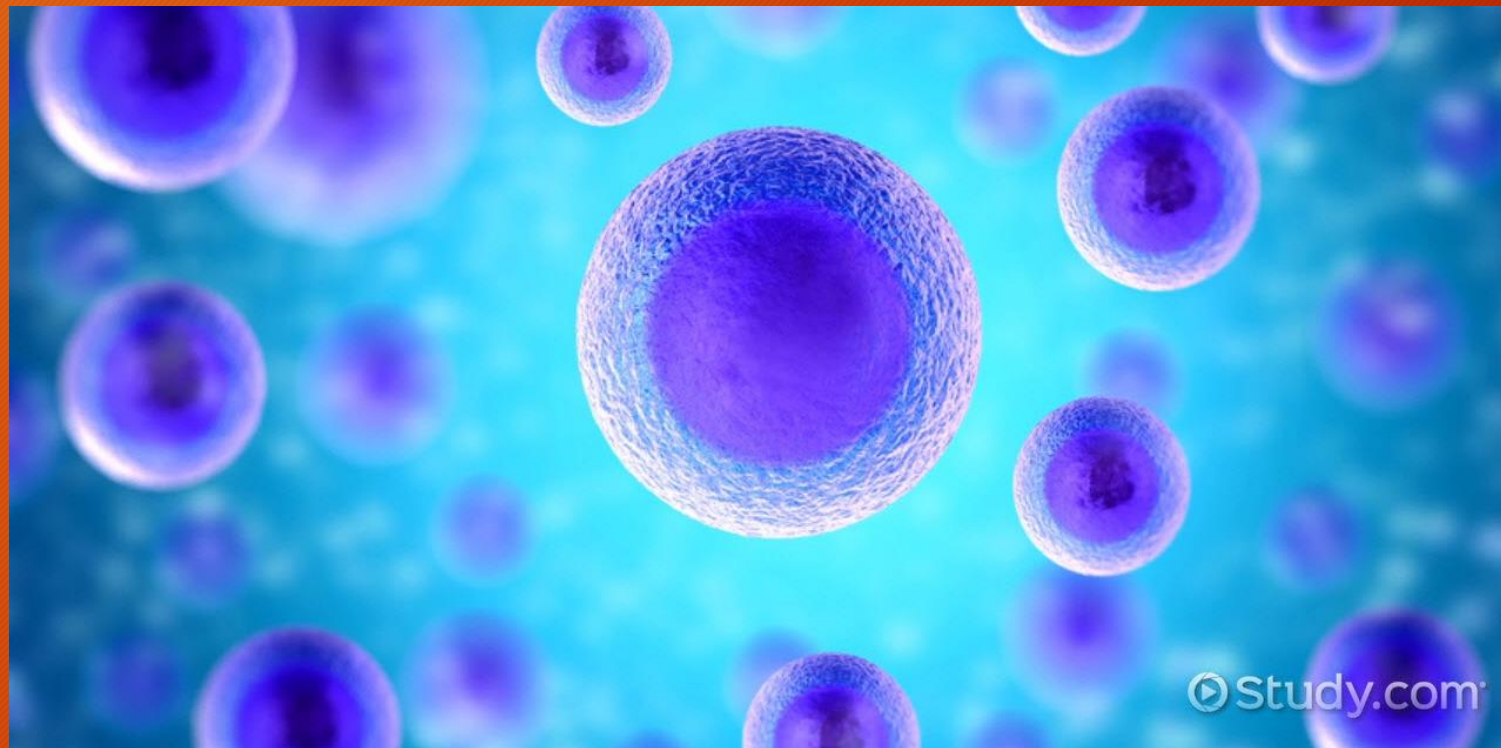# Pneumonia Classification via Deep Learning

Thien Nguyen

Background
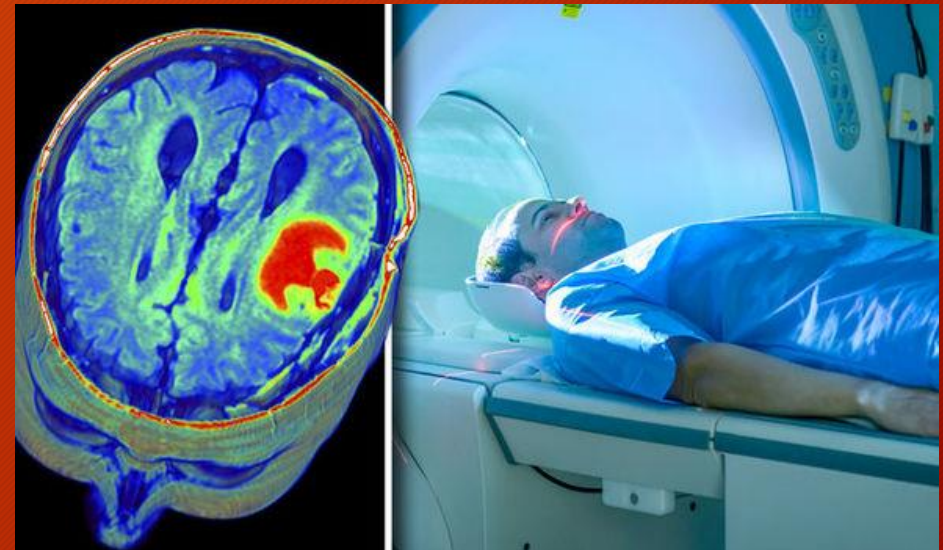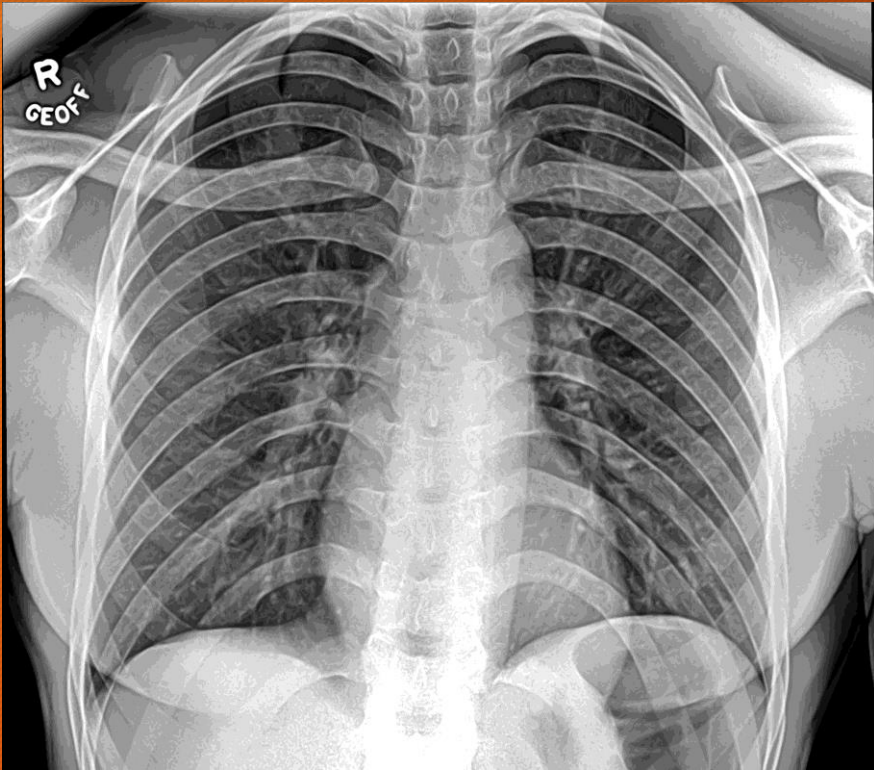
Background

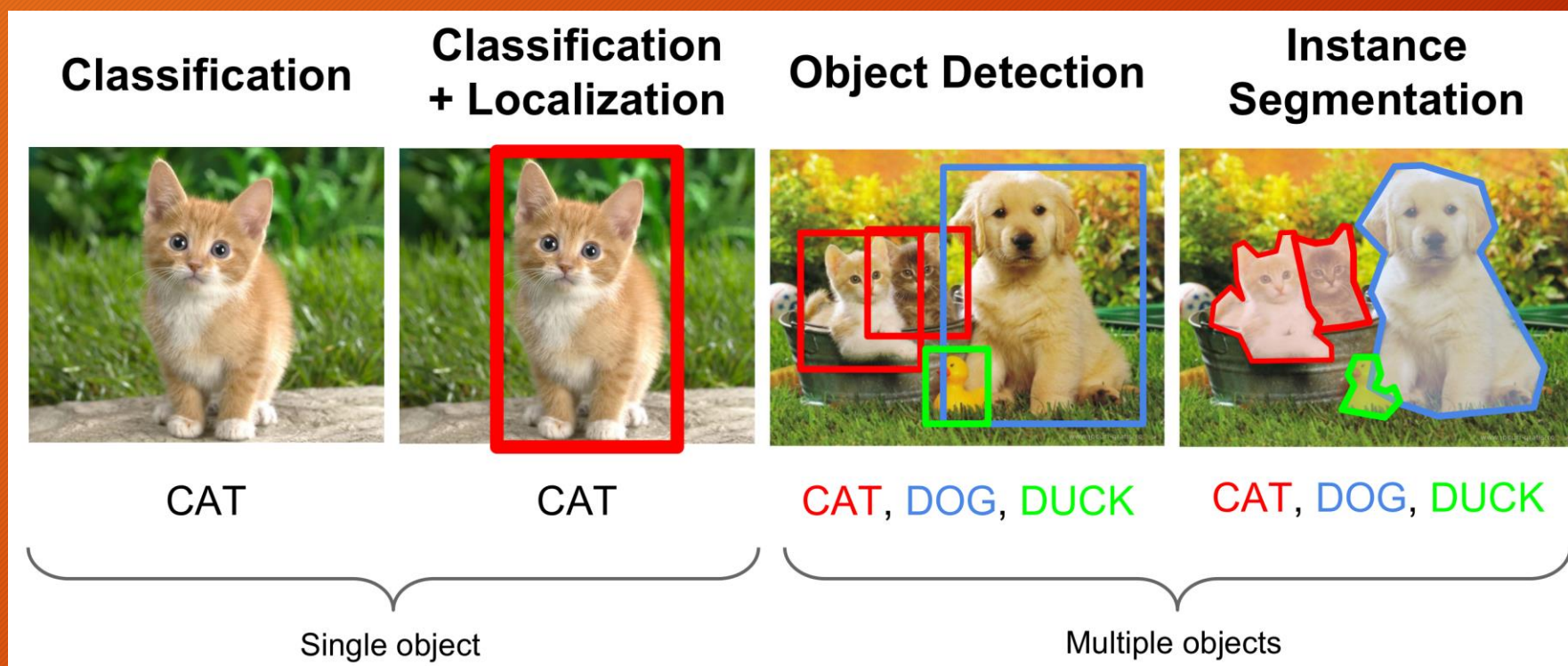# Background

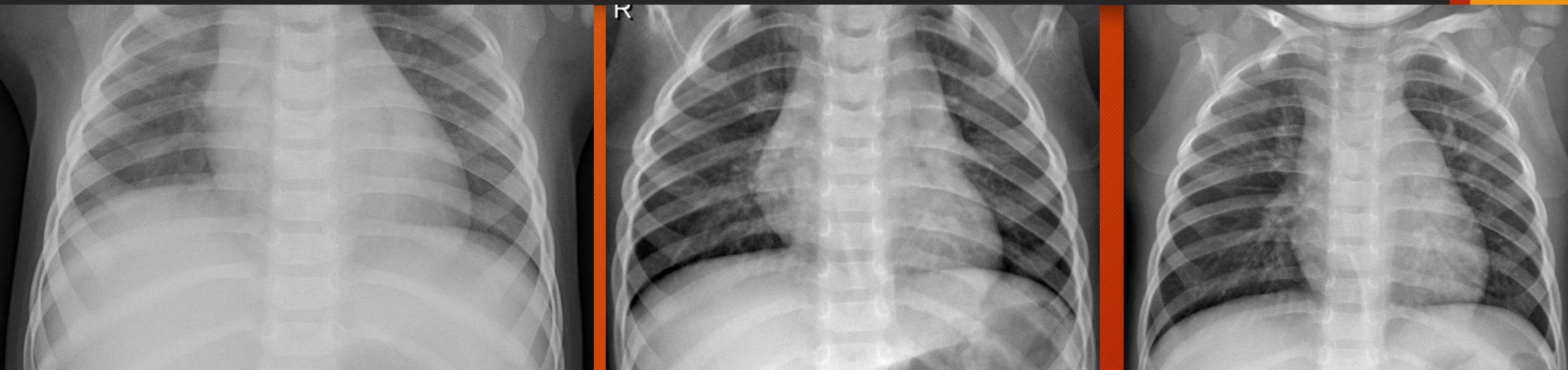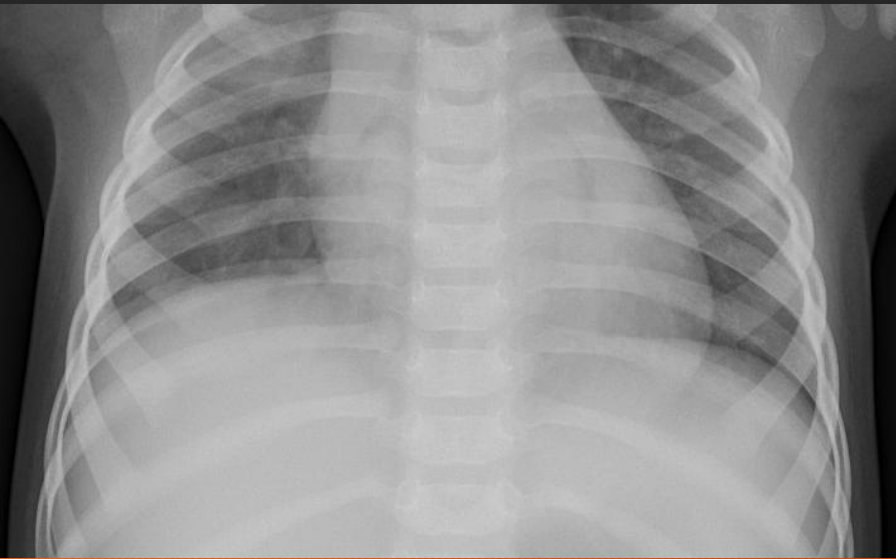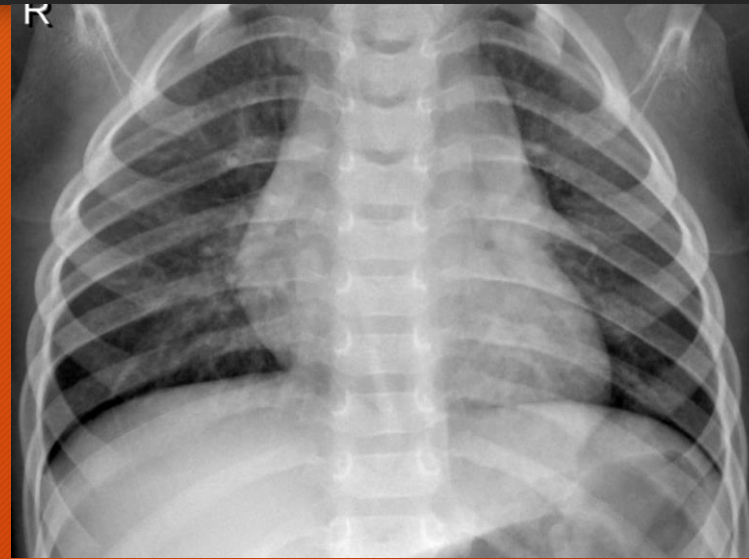# Background

Background
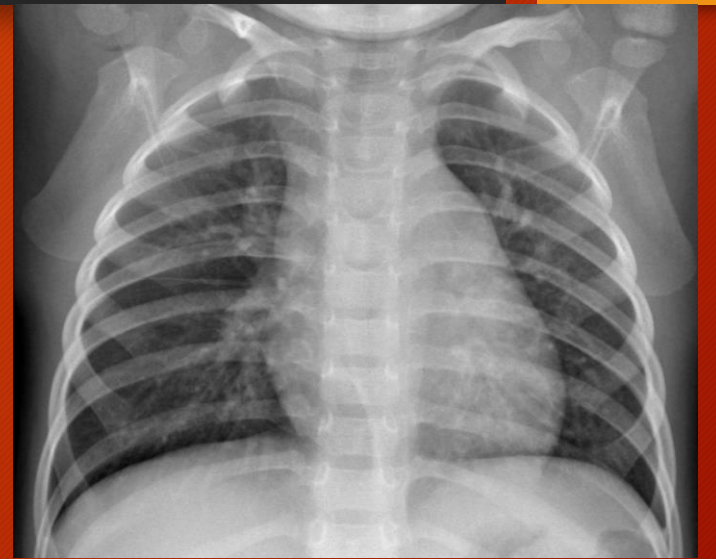
Background

Background
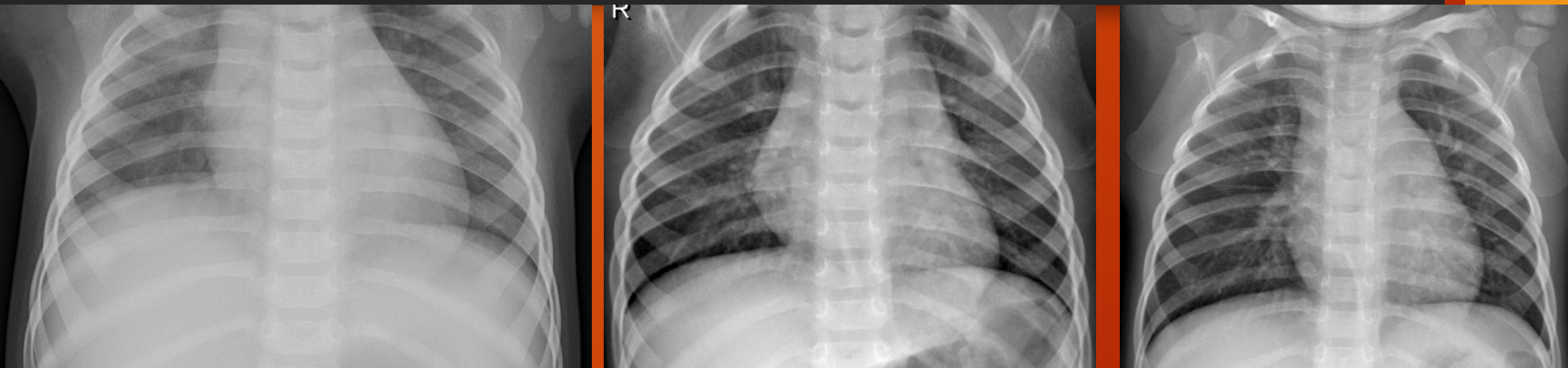
Background

Bacterial

Normal

Virus

Pneumonia Recognition

Pneumonia Recognition
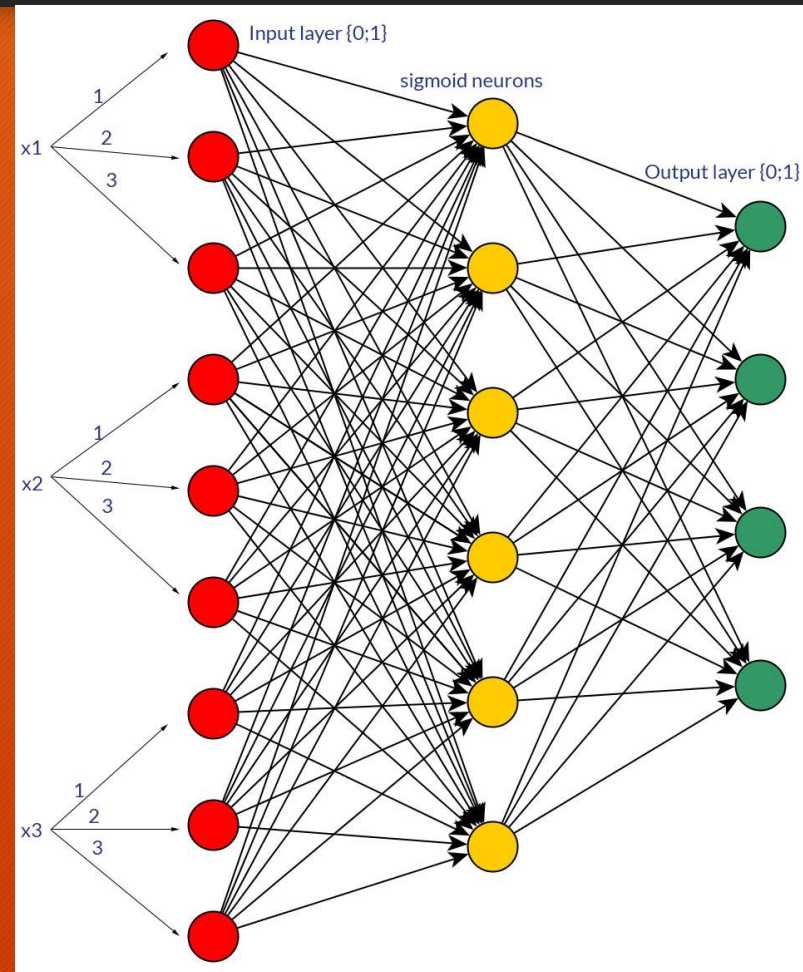
Results

- First Model – 75.7% Accuracy
- Second Model – 67% Accuracy
- Third Model – 65% Accuracy
- Fourth Model – 65.6% Accuracy

Average Accuracy: 68.3% Accuracy

Further Considerations

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1. Classify between all types of pneumonia infections

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3. Use feedback from doctors to refine the model
4. Create different models for other tests/conditions, such as brain tumor detection via MRI.

Limitless Possibilities