



Pneumonia Identification Project

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Overview

Despite the advances in science and medicine, pneumonia remains a major cause of mortality worldwide with 2.18 million deaths in 2021. With the development and use of an image classification neural network learning algorithm, it may be possible to detect pneumonia.

- Detect pneumonia
- Pneumonia or healthy lungs classification
- Model results



Business and Data Understanding

- Problem: Late pneumonia detection
- Goal: Early pneumonia detection
- Data from Kaggle Datasets

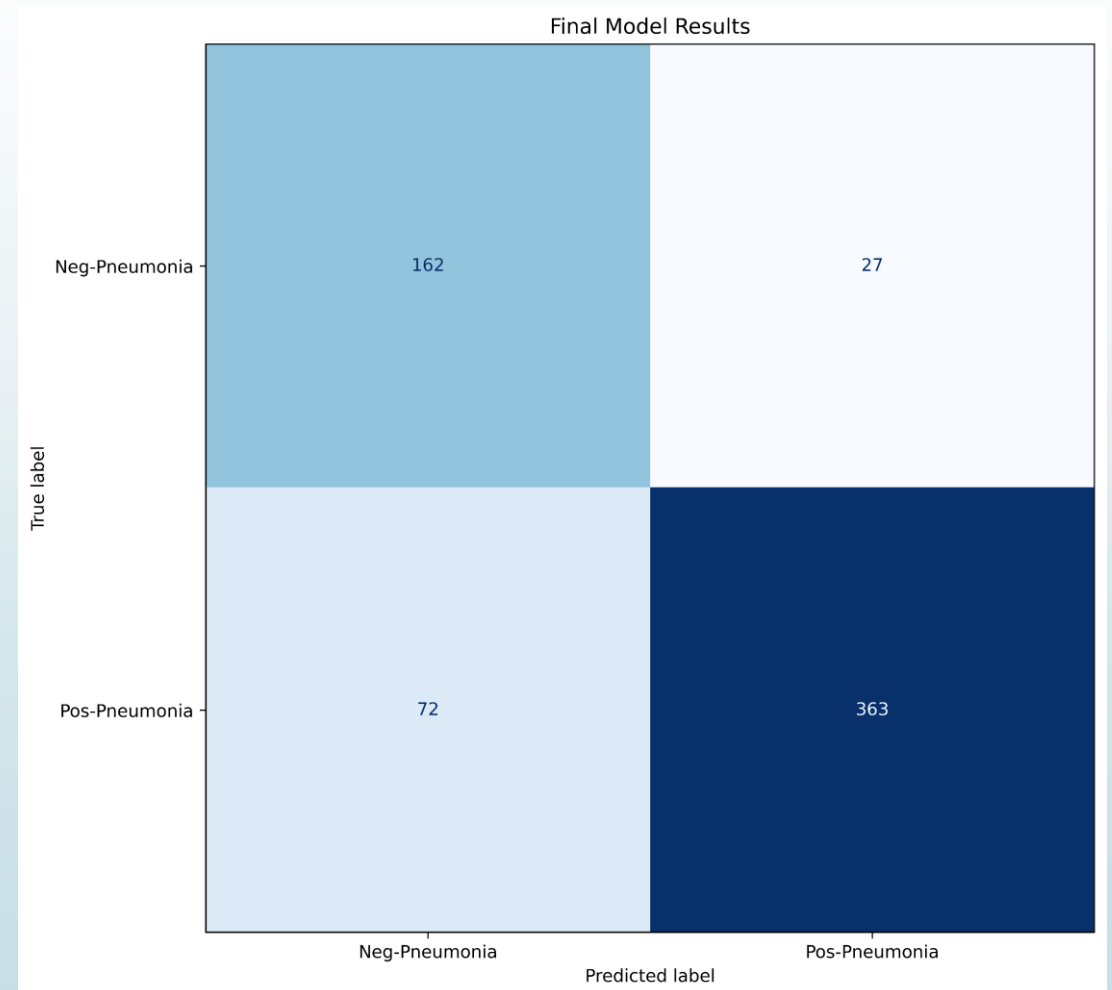


Model

- Why a Neural Network model?
- Convolutional Neural Network (CNN)

Evaluation

- Model results
- Confusion Matrix



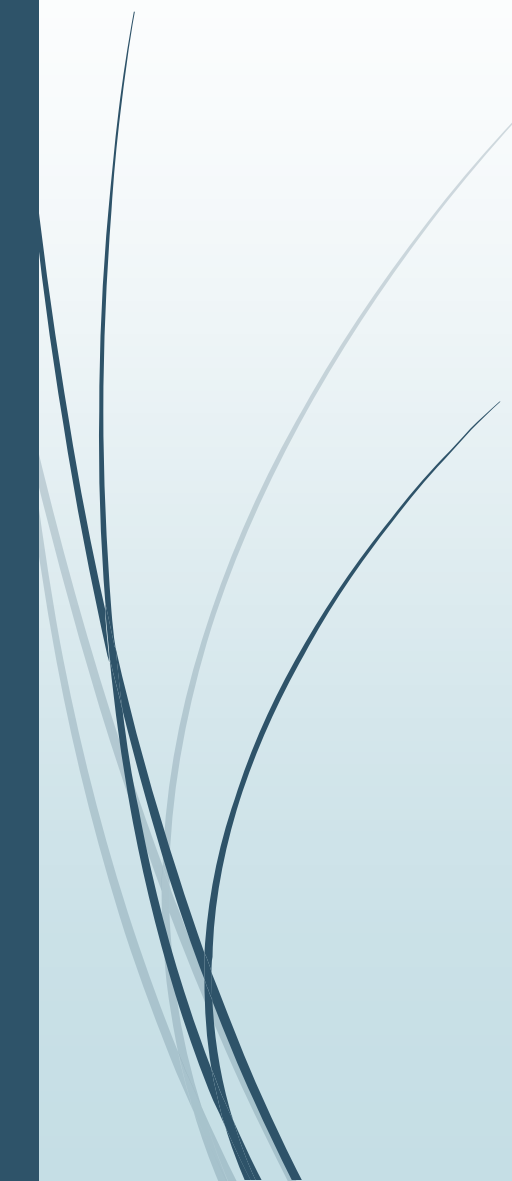


Recommendations

- Gather more true data
- Test model with new data
- Testing with other neural networks



Next Steps

- Further fine tune model
 - Test other models
 - Gather more Data
- 



Thank You