Pneumonia Identification in Remote Environments

• • •

Boogie Woogie Flu Boys
9/19/22

Boogie Woogie Flu Boys

Jordan Mang

Github

LinkedIn

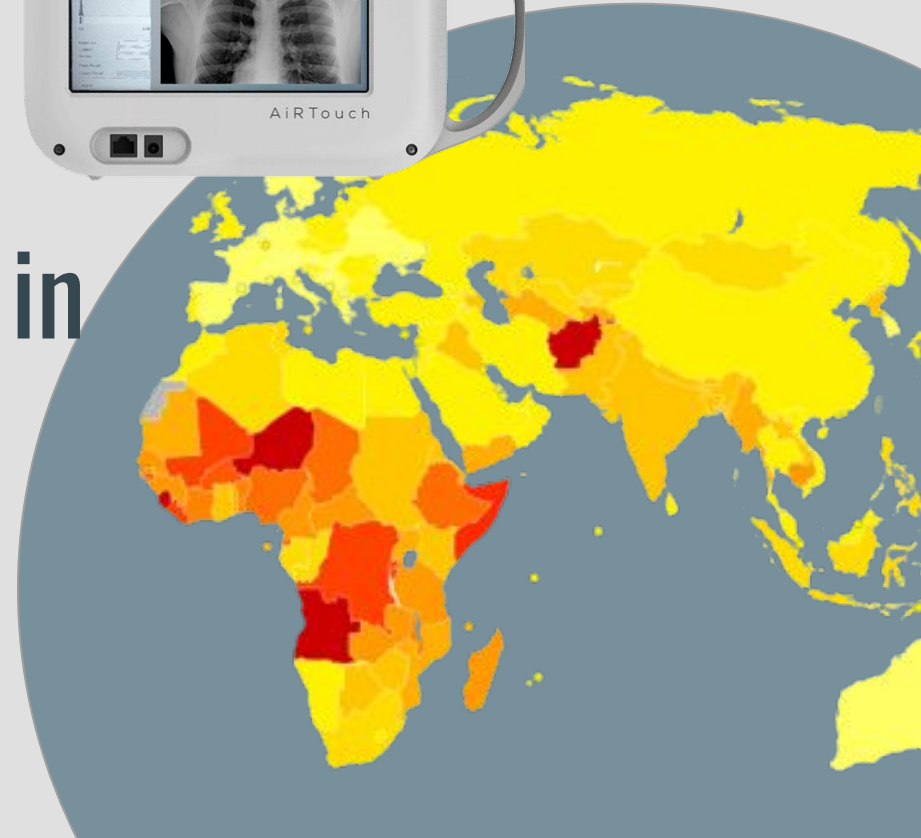Email

Mitch Allison

Github

LinkedIn

Email

Overview
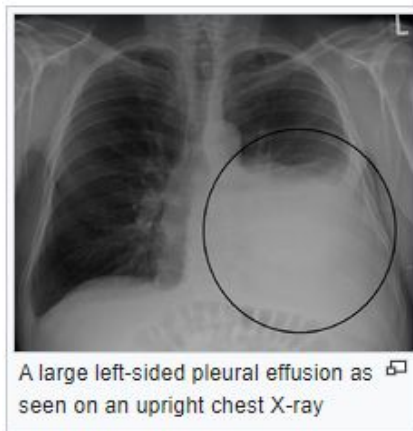
- Business Problem
- Data
- Model
- Next Steps

Business Problem:
How to ID pneumonia in remote areas?

Data

- Dataset on [Kaggle](#) or [Mendeley](#)
- 1.6 gb of images
- 1:3 ratio of healthy:pneumonia

A large left-sided pleural effusion as seen on an upright chest X-ray

Final Model Performance Metrics

Accuracy	Recall	Precision
95%	98%	96%

Next Steps

- Continue to iterate for better model performance
- Augment image data
- Deploy model with hand-held X-ray machines

St. Jude Children's®
Research Hospital
Finding cures. Saving children.

Questions?