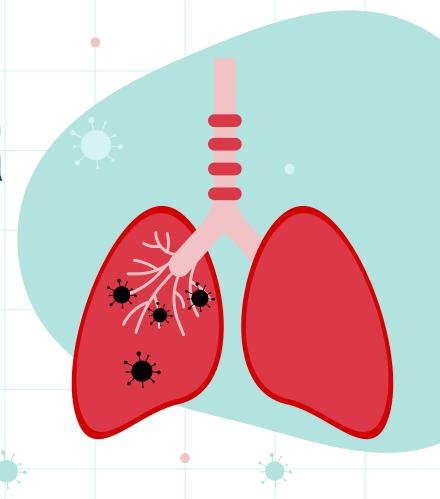
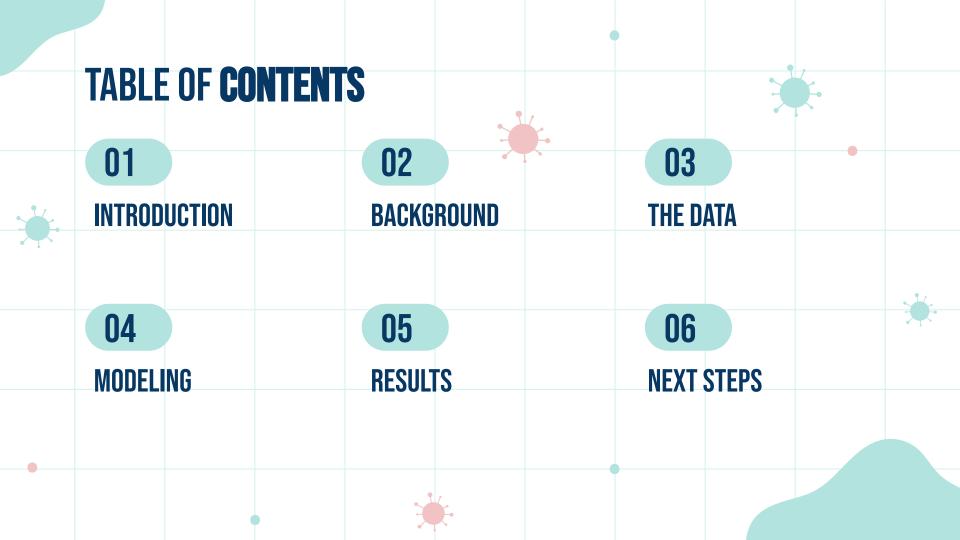


Flatiron Health Technology







DIAGNOSIS

Chest X-ray

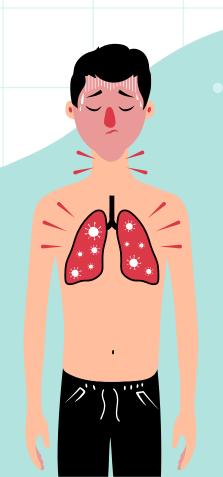


THE DATA

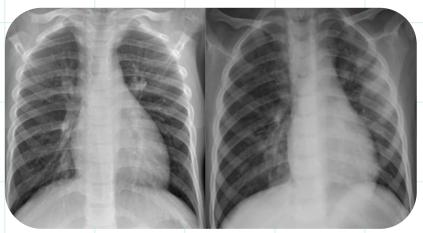


5,863 PEDIATRIC CHEST X-RAYS

Compiled by a team from the University of California, San Diego and the Guangzhou Women and Children's Medical Center



THE DATA

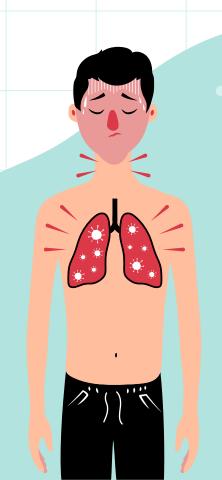


Healthy

Pneumonia

5,863 PEDIATRIC CHEST X-RAYS

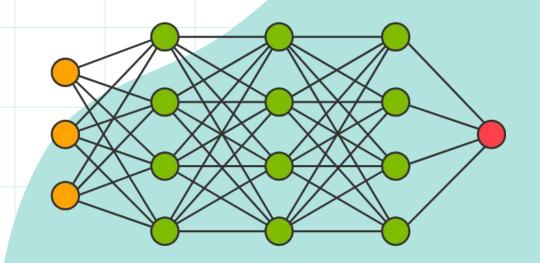
Compiled by a team from the University of California, San Diego and the Guangzhou Women and Children's Medical Center



MODELING

DUMMY SCORES

- Recall: 100
- Accuracy: 75



MODELING

ASPECTS WE TUNED

- Convolutional
- Regularization
- Learning rate
- Image augmentation
- Resolution





RESULTS

VALIDATION SCORES:

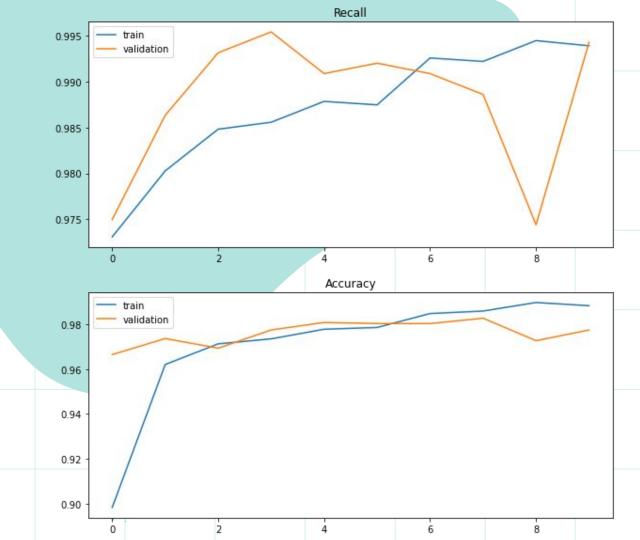
RECALL: 99.54

ACCURACY: 97.75

TEST SCORES:

RECALL: 100

ACCURACY: 77.28



NEXT STEPS

- Improving workflow
- Viral vs bacterial
- Broader Dataset







