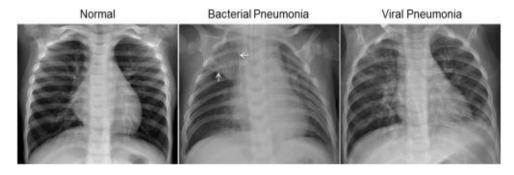
A Convolutional Neural Network to Diagnose Pneumonia from Chest X-Ray Images

Alex Kim and Kevin Mao

Background and Methods



	Before normalizing			After normalizing		
	Normal	Bacterial	Viral	Normal	Bacterial	Viral
Train	1342	2530	1345	1342	1342	1342
Validate	9	8	0	74	74	74
Test	234	242	148	74	74	74

Table 1: Number of images for train, validate, and test sets per label, before and after prebrocessing.

Architecture:

- Xception model with imagenet weights and transfer learning
 - Xception, GAP, then dense layers
- Tested batch size, # hidden layers, epochs, learning rate

Results and Discussion

Dredicted Jahel

