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Using artificial intelligence to interpret pneumonia CXR (chest X ray) findings in children with a phone application platform

R. Thompson, J. Li, K. Wang, L. Etter, I. Camelo, I. Castro-Aragon, B. Setty, H. Chang, M. Betke, R. Pieciak, C. Gill. 2022. "Using Artificial Intelligence to Interpret Pneumonia CXR (chest X ray) Findings in Children with a Phone Application Platform"

https://hdl.handle.net/2144/46074

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ResNet-50 convolutional neural net to sort, process it and categorize (no pneumonia)l or abnormal (pneu

To minimize processing requirements was optimized for mobile deploy *Tensor Flow Lite (TF Lite) Task Lib* interfaces are designed for each tabest performance and usability whe simulated mobile application.

This allows the model to classify X-through the App using the phones' r