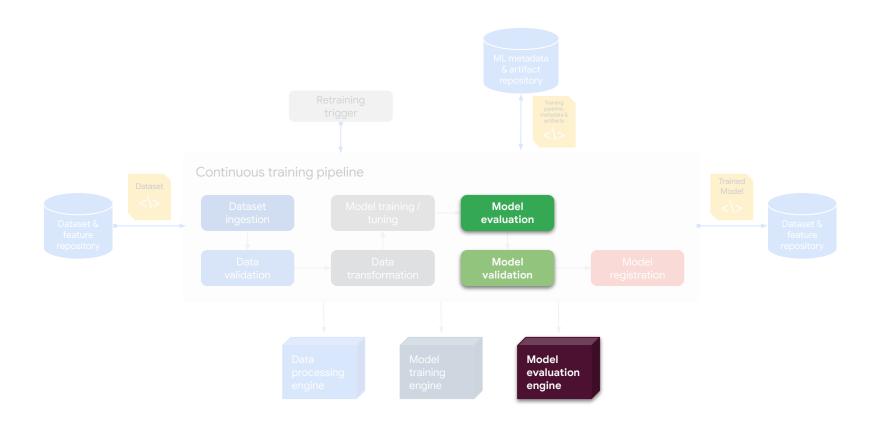
Continuous Training: Use Case Metrics

MLOps: Continuous Training



The MLOps **Personas**



ML Engineer



ML Researcher



Data Scientist



Data Engineer



Software Engineer

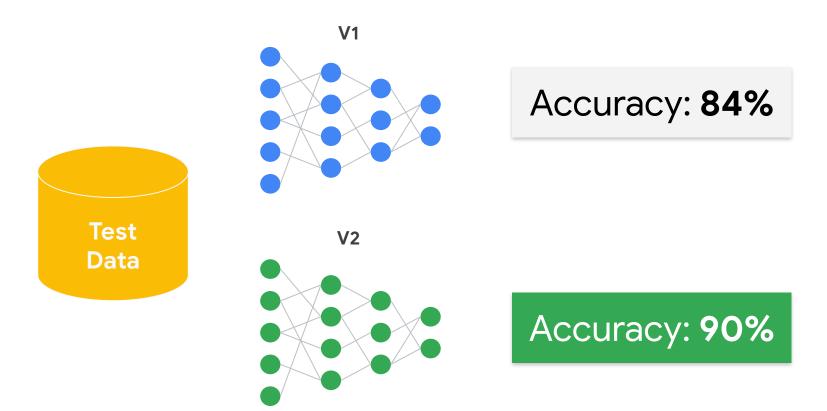


DevOps



Business Analyst

Test Set Accuracy

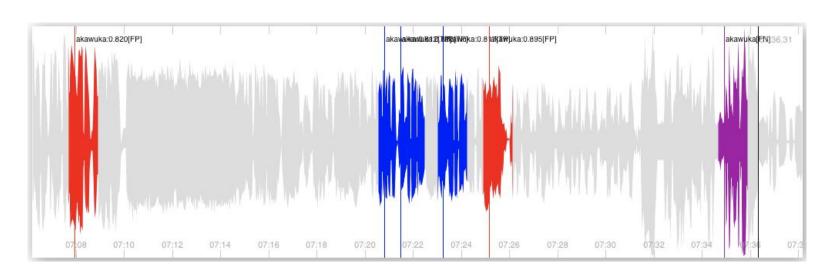


Precision & Recall

False Positive

True Positive

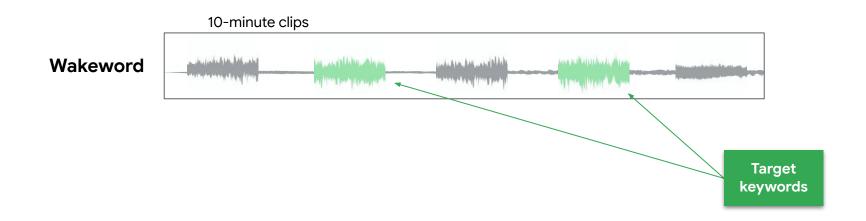
False Negative



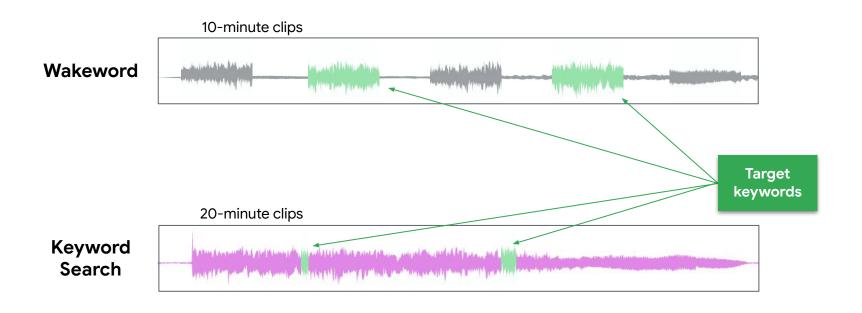




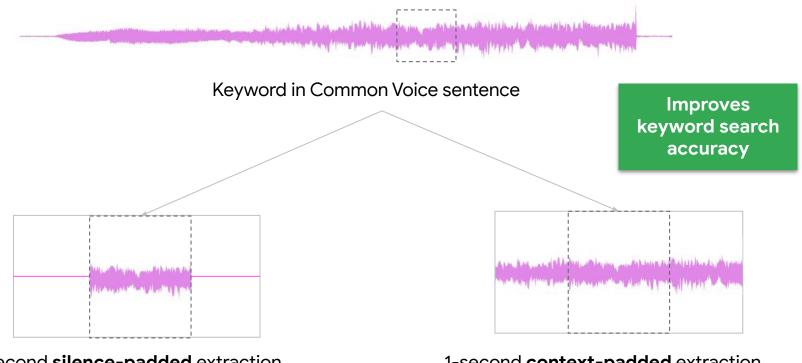
Streaming Accuracy Scenarios



Streaming Accuracy Scenarios



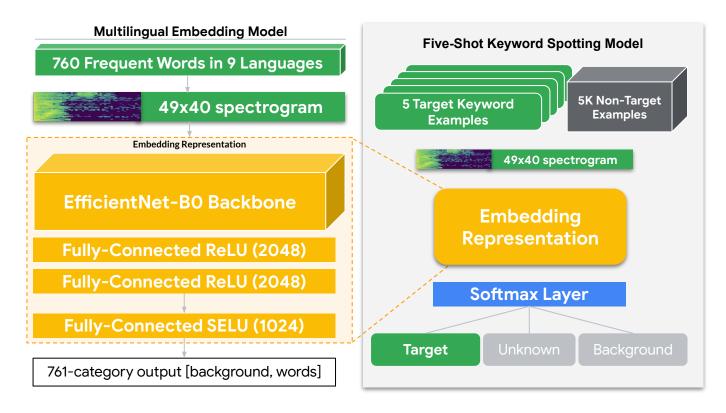
Extracting keywords with audio context



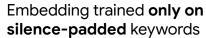
1-second **silence-padded** extraction

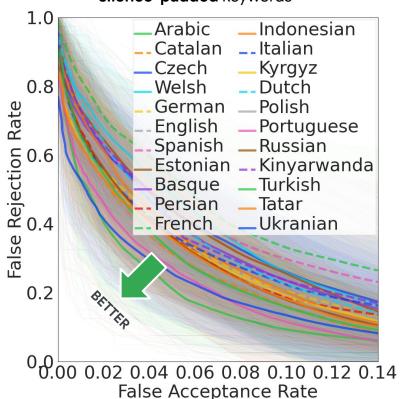
1-second **context-padded** extraction

Few-Shot Keyword Spotting

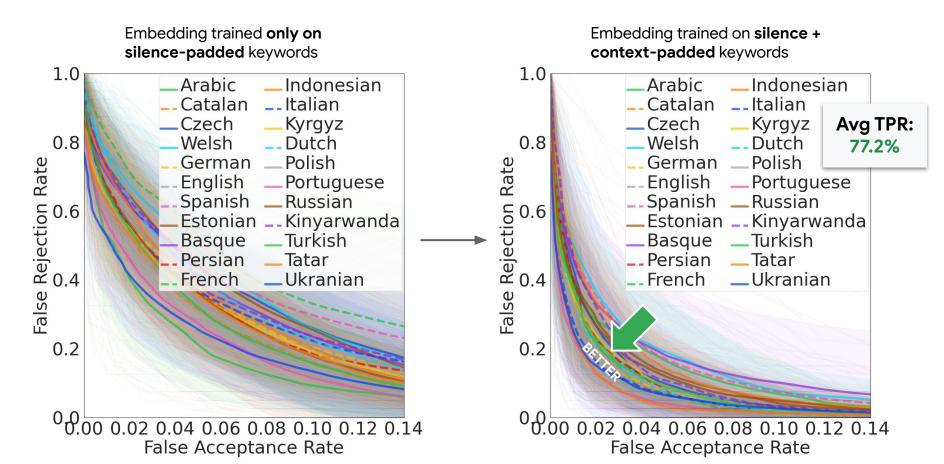


Streaming Accuracy on Keyword Search





Streaming Accuracy on Keyword Search



Continuous Training Metrics

Continuous training metrics differ from standard metrics

Continuous Training Metrics

Continuous training metrics differ from standard metrics

- Example goal: lift for a specific challenging class
 - Are other classes negatively impacted?
 - Might prefer to accept a slight drop in global accuracy to avoid catastrophic performance on an undersampled class
- Improve model latency through NAS?
- Evaluate model in additional scenarios