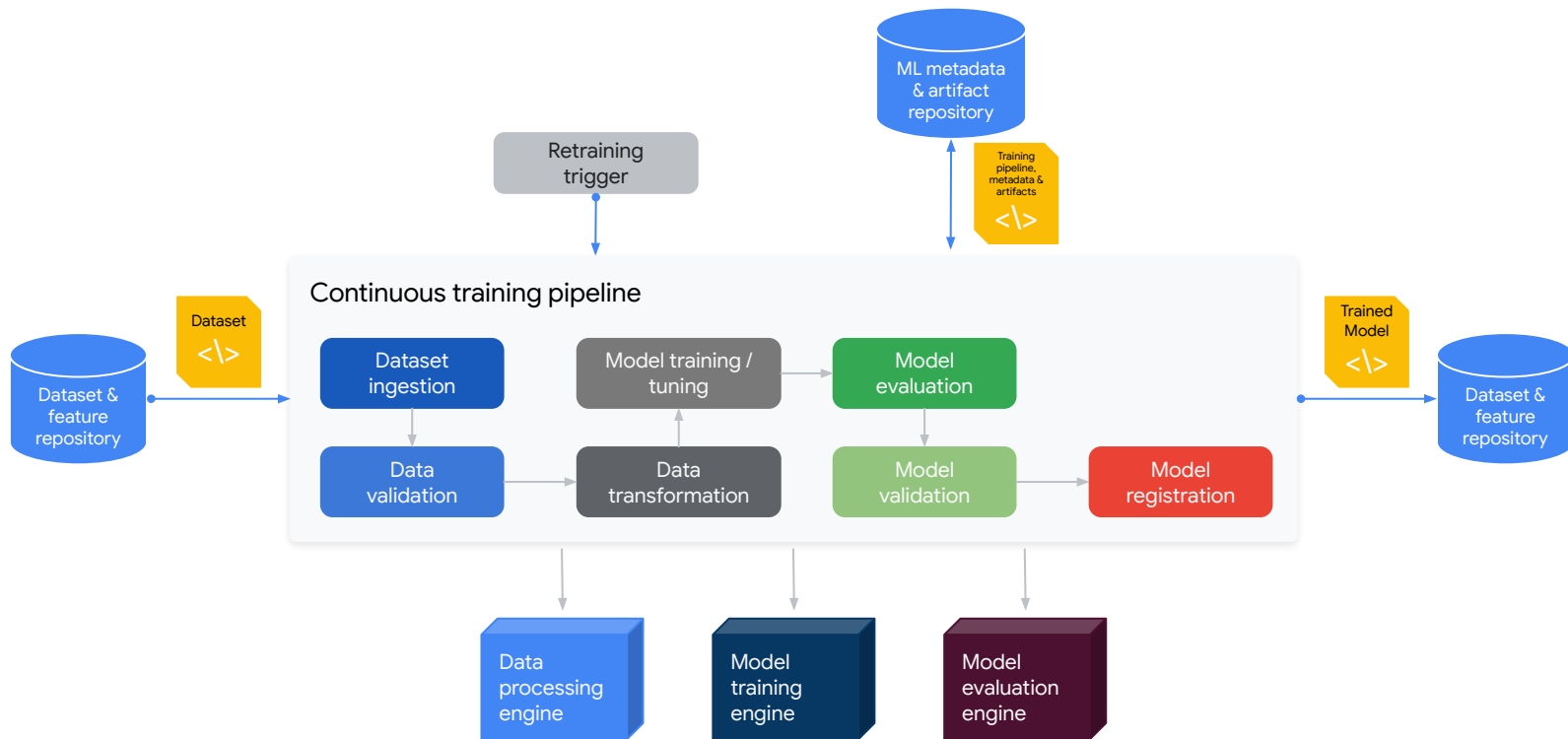


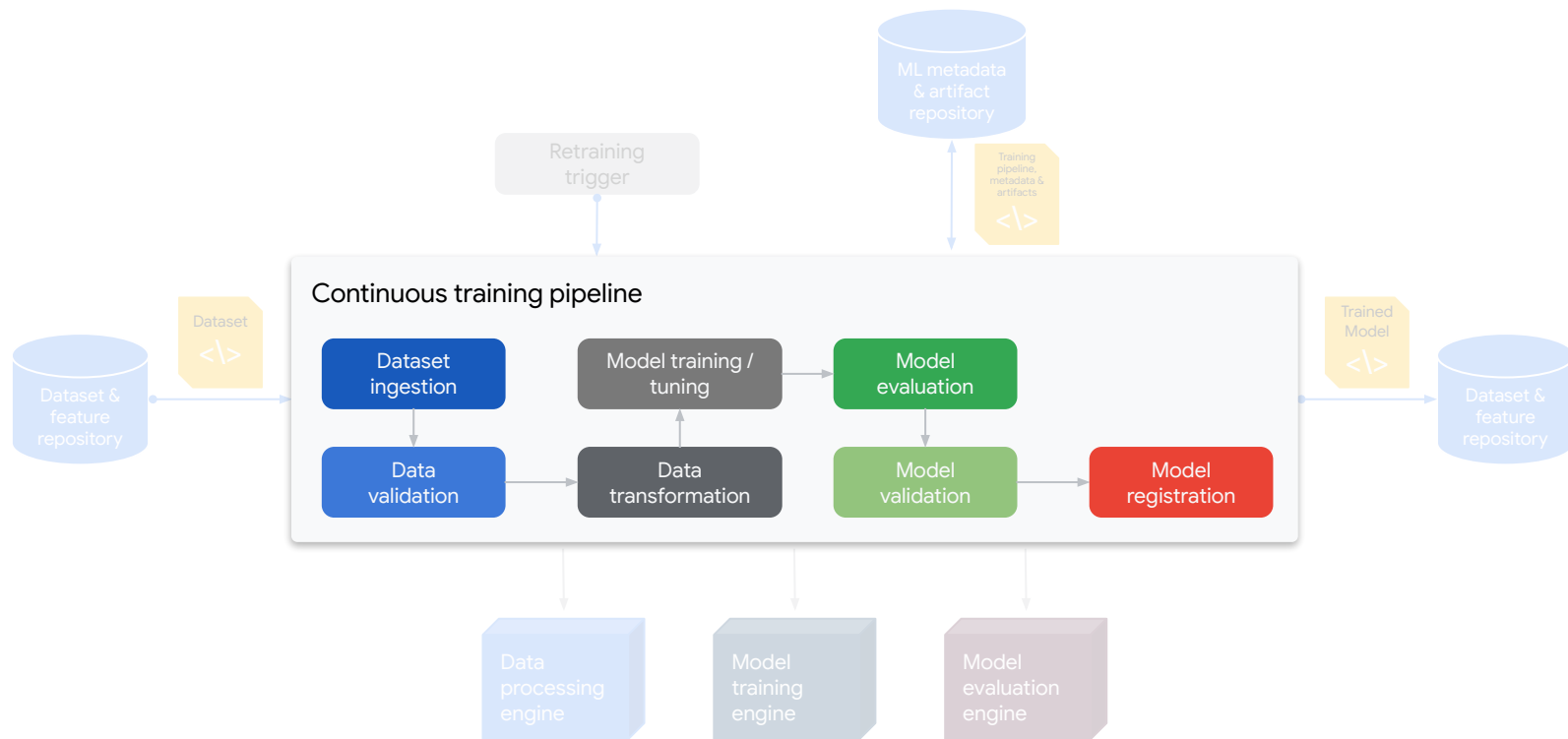
# Continuous Training: Retriggers



# MLOps: Continuous Training



# MLOps: Continuous Training



# MLOps: Continuous Training



# The MLOps Personas



ML  
Engineer



ML  
Researcher



Data  
Scientist



Data  
Engineer



Software  
Engineer

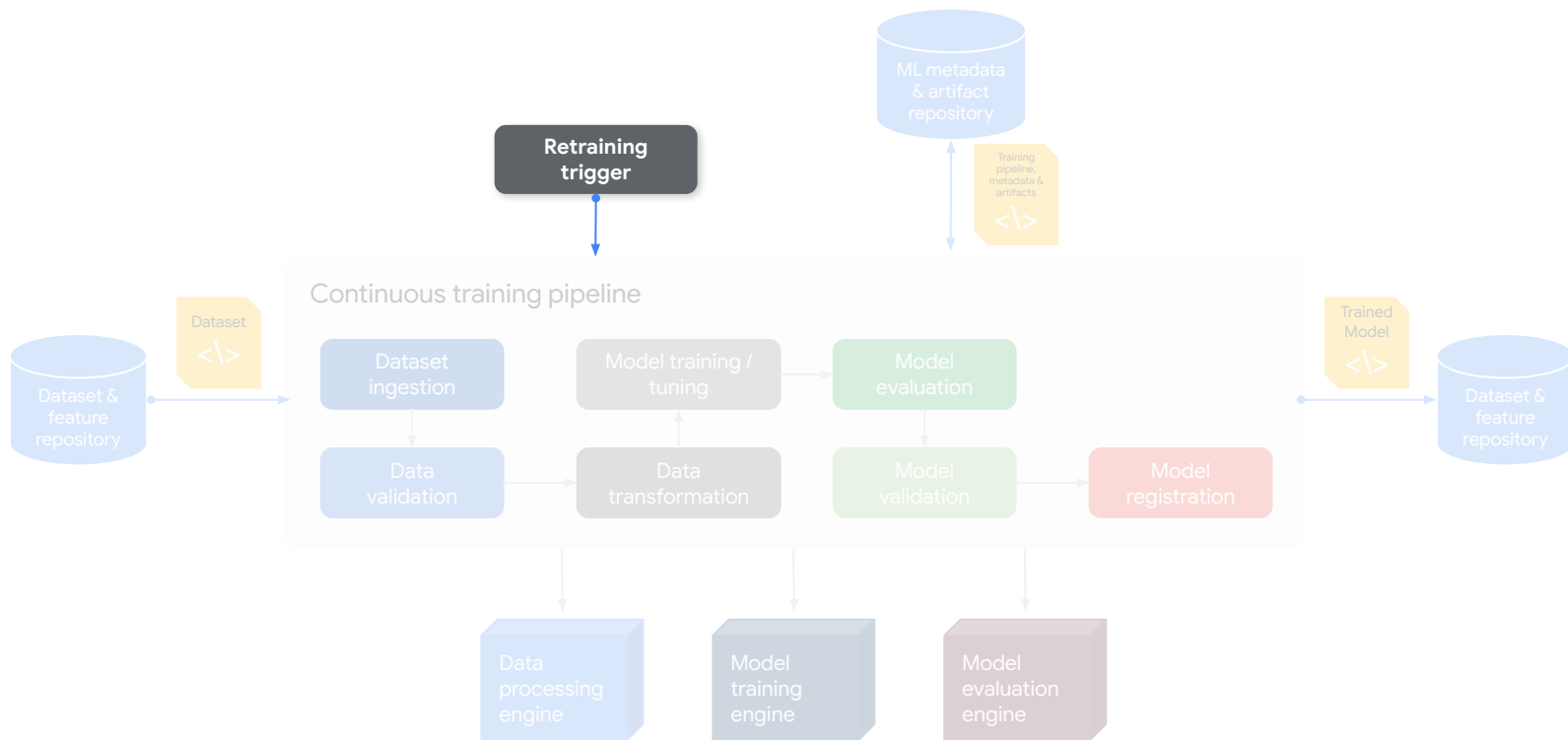


DevOps

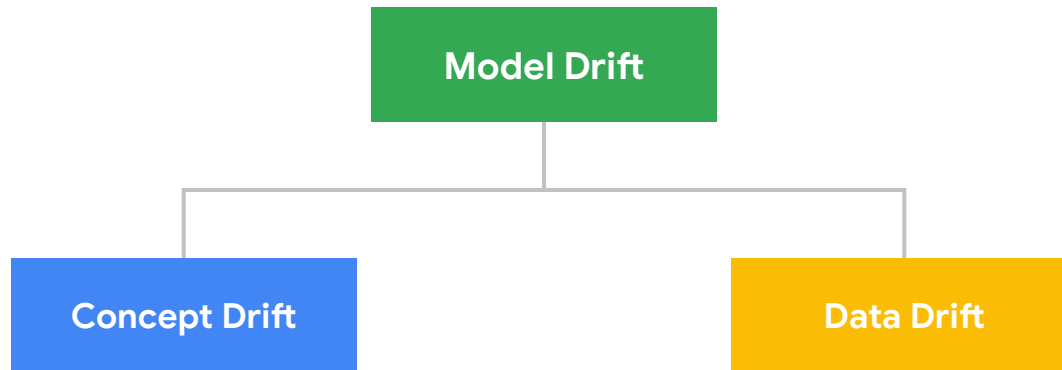


Business  
Analyst

# MLOps: Continuous Training









# Concept Drift

Concept drift in machine learning is when the **relationship** between the input and target changes over time.

## Eat, Pray, Wash

Share of Americans who said they have done the following because of COVID-19

Washed hands or used hand sanitizer more frequently

85%

Engaged in social distancing

61%

Prayed

50%

Avoided restaurants

25%

Stockpiled food and water

22%

Worn a facemask

7%



Survey of 2,436 U.S. residents, March 10-12, 2020

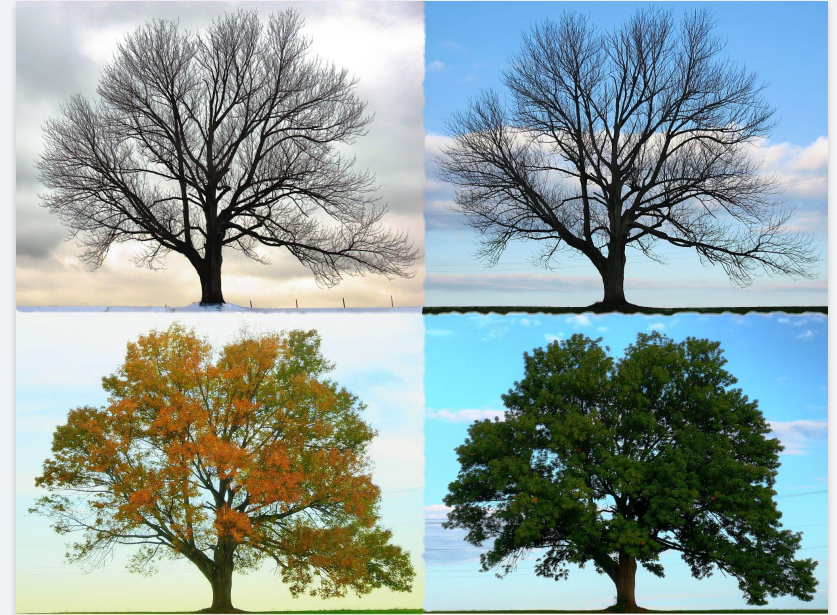
Source: University of Southern California



statista

# Data Drift

Data drift is a change in the **distribution** of data over time.





**Upstream  
Changes**



**Data Quality  
Issues**



**Changed  
Relation**



**Upstream  
Changes**



**Data Quality  
Issues**



**Changed  
Relation**



Upstream  
Changes



Data Quality  
Issues



Changed  
Relation



Upstream  
Changes

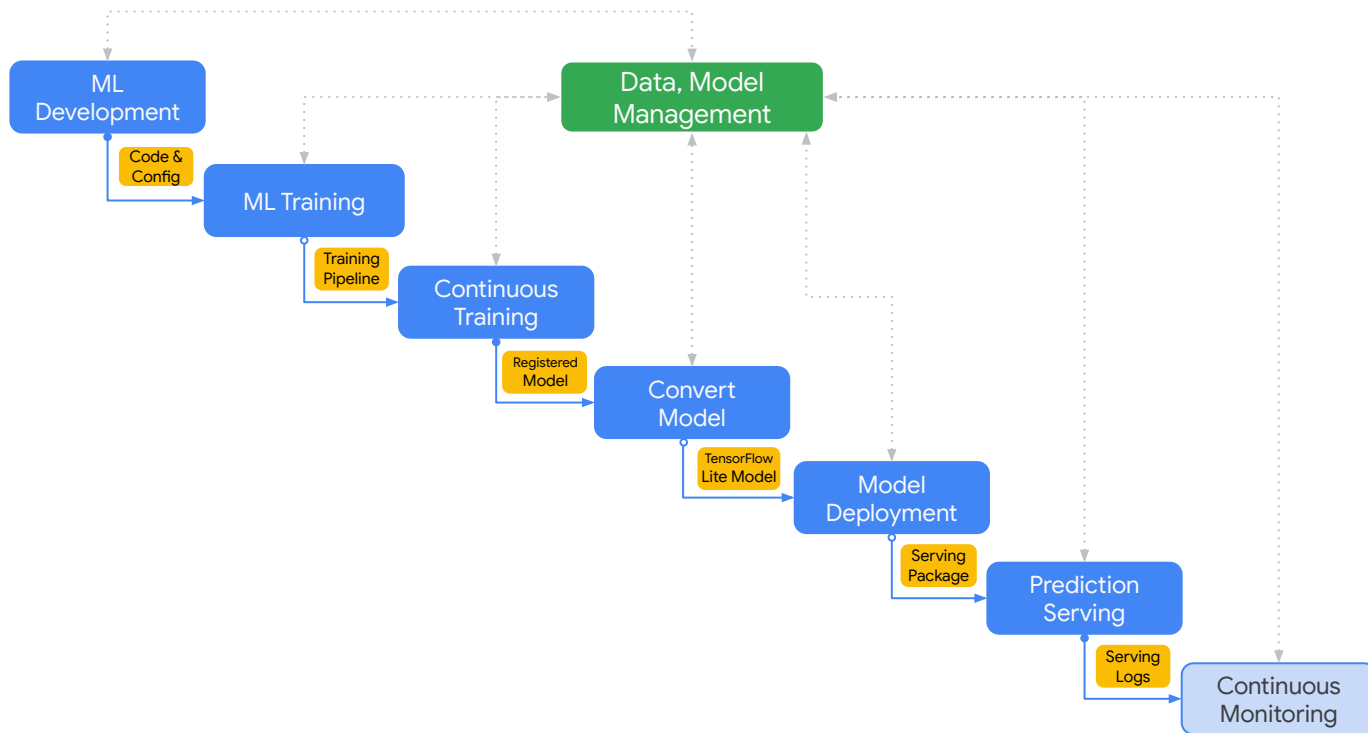


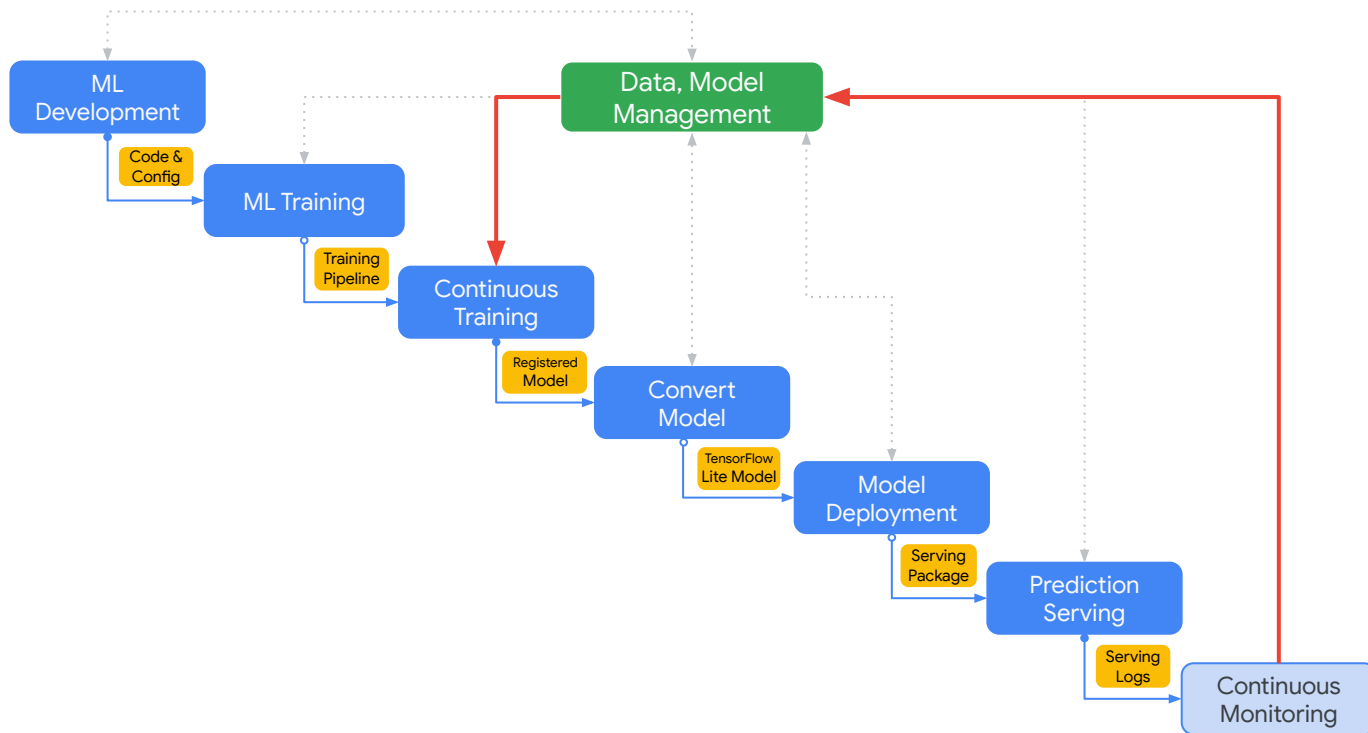
Data Quality  
Issues



Changed  
Relation

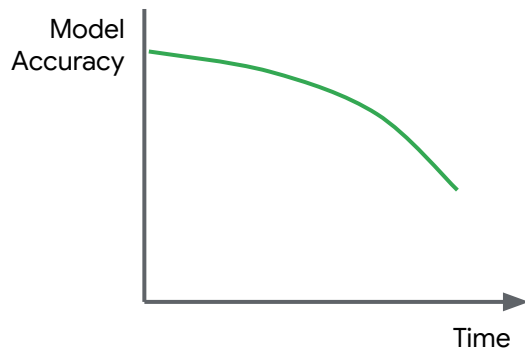
# The MLOps Process for TinyML



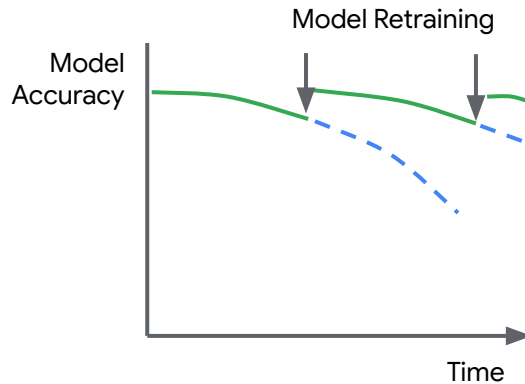




# Goal of Continuous Training



Model Decay over time



Regularly updated model

# MLOps: Continuous Training

