

# 构建富媒体时代的弹性深度学习云平台

彭垚

七牛云技术总监  
七牛AI实验室创始负责人



# WOTD

World Of Tech  
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## 全球软件开发技术峰会

[ 深圳站 ]

报名咨询：010-68478816

议题提交：wot@51cto.com

市场合作：yangxh@51cto.com

商务合作：songjc@51cto.com

媒体合作：yankk@51cto.com

在线咨询（微信）：18401576051

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**5折** 优惠（截止8月31日）  
现在报名，立省1400元/张

# Mobile —> 富媒体时代



# Connect

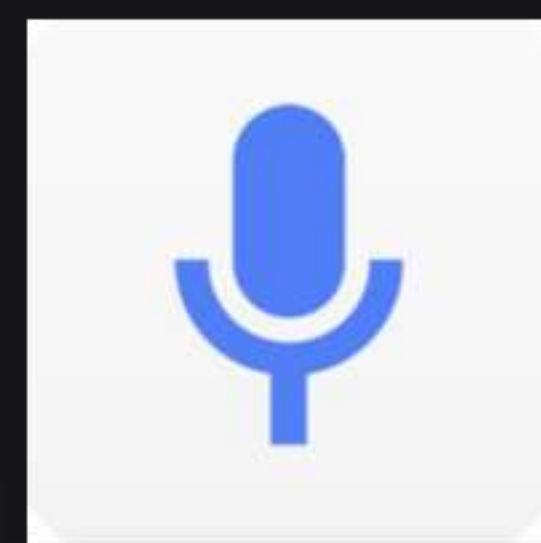




每天超过10亿图像上传



超过万亿小时的音视频存储



# What are they?

内容审核团队

运营分析团队

AI?

# Content

分类

描述

检测

搜索

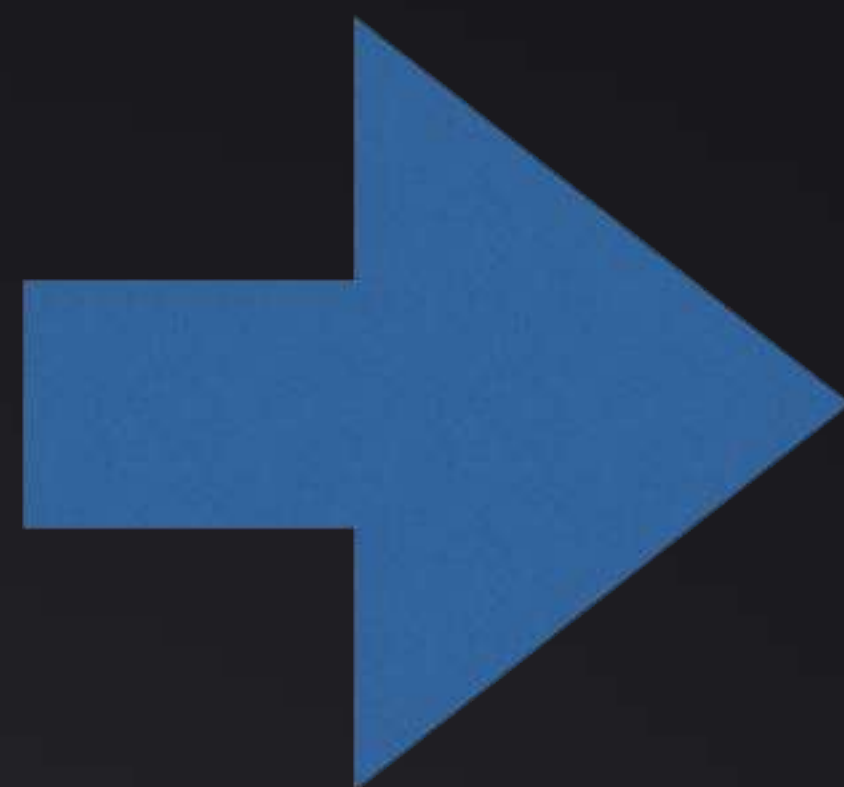
分割

分析

跟踪

...

连接



智能





特征 id1 戴眼镜 性别: 男 年龄: 33 颜值: ??

场景: 户外 / 景点 / 雪山

审查: 非色情 非暴力 很健康



“C罗正在带球突破，后有球员追逐”



场景一 00:00:00-00:01:05

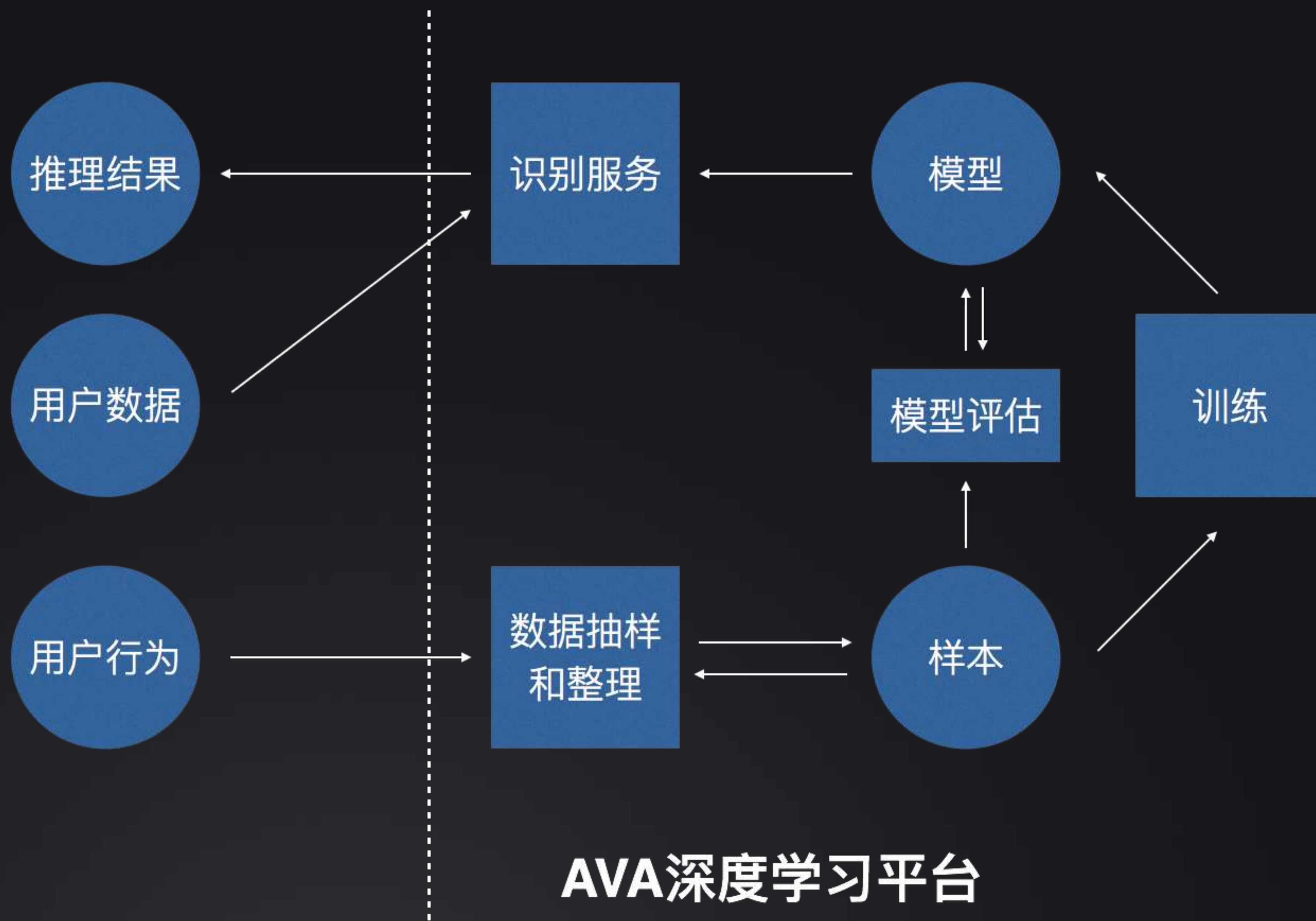
描述: 事件1-XXXX

事件2-XXXX

人物出现:id1, id2

场景二

...



Application

Personal Remote Auth

Module / API

Face Recognition

Templet

Detection, Classification, Segmentation

Modular

Algorithms(AtNet/AtServing Image)

Tool Set

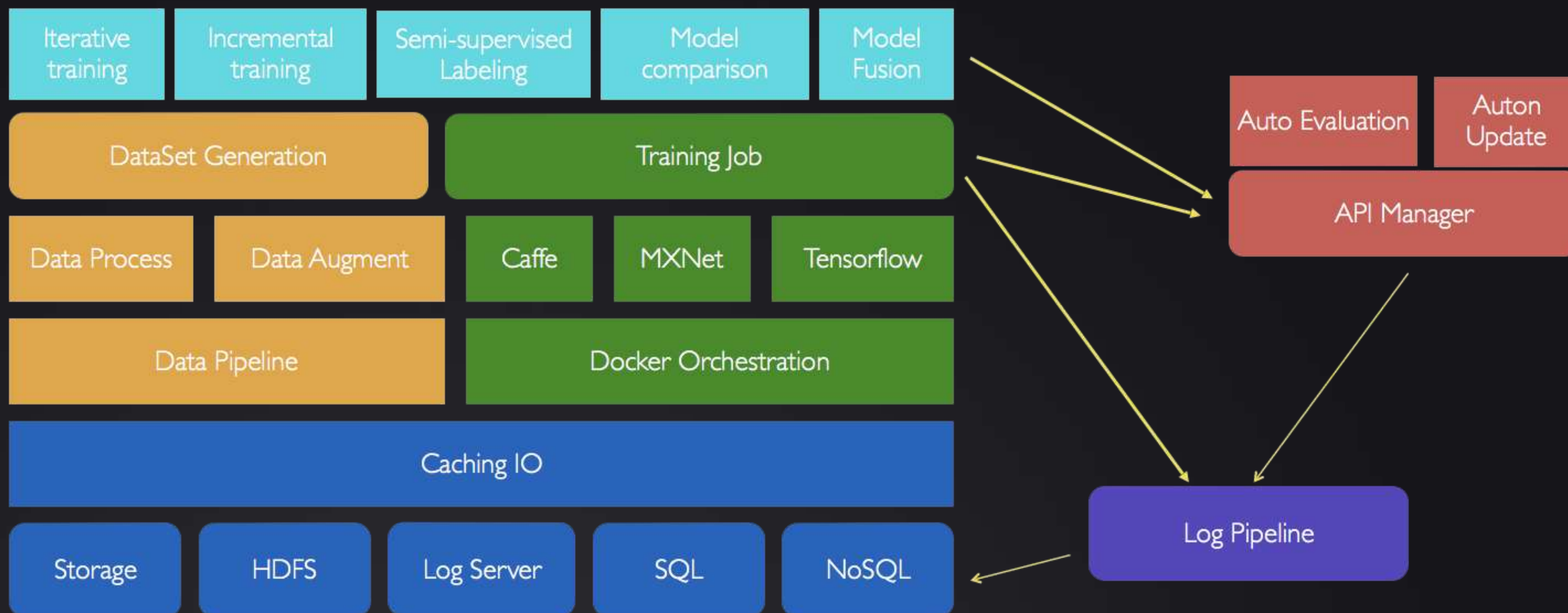
LabelX      AtFlow

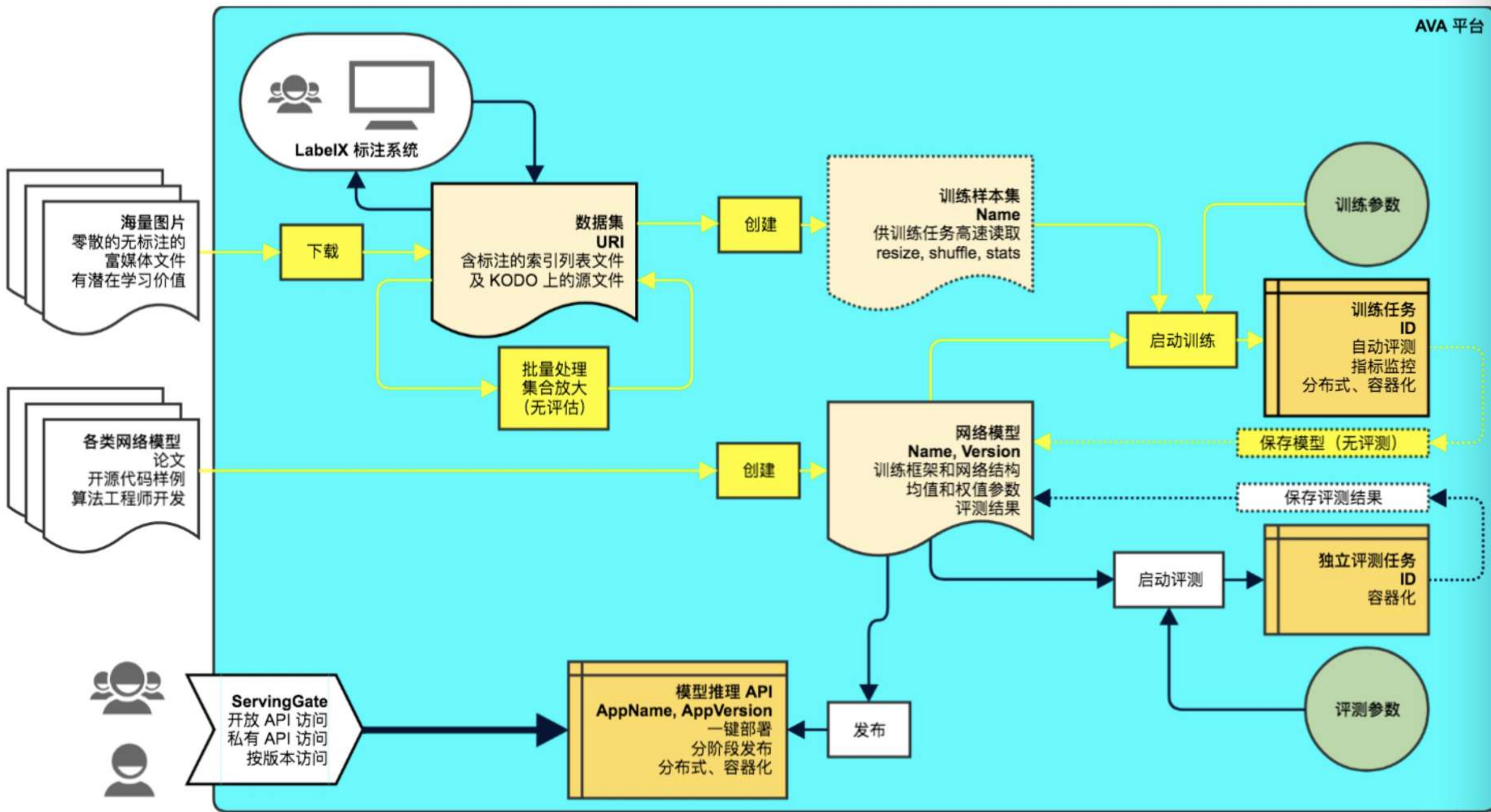
Framework-Infrastructure

AtNet(Job)    AtServing(Service)



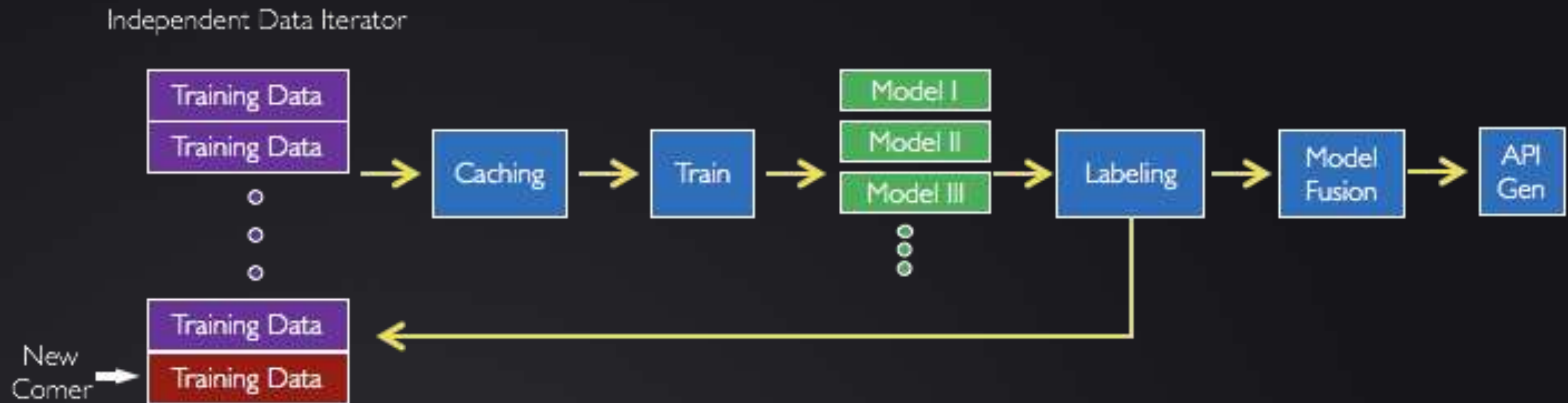
# AVA 弹性深度学习平台





## Building a DL platform

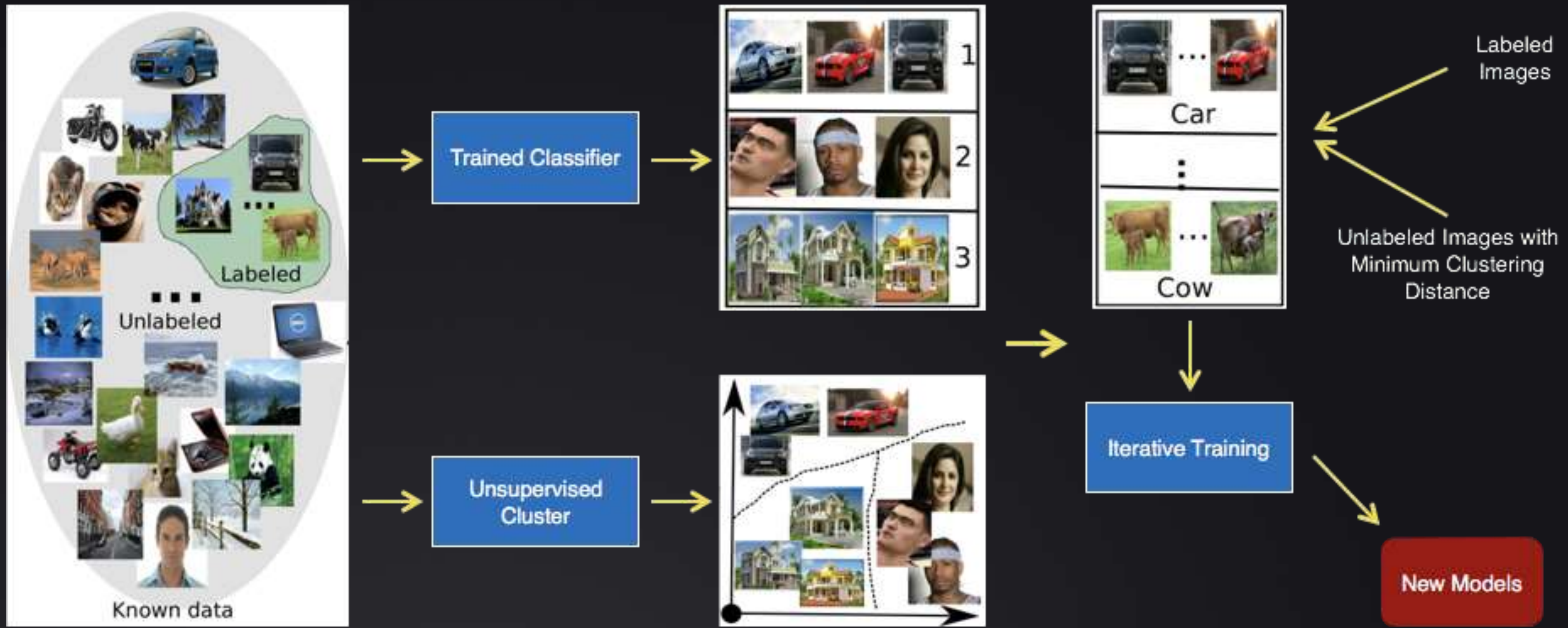
## Iterative &amp; Incremental Training



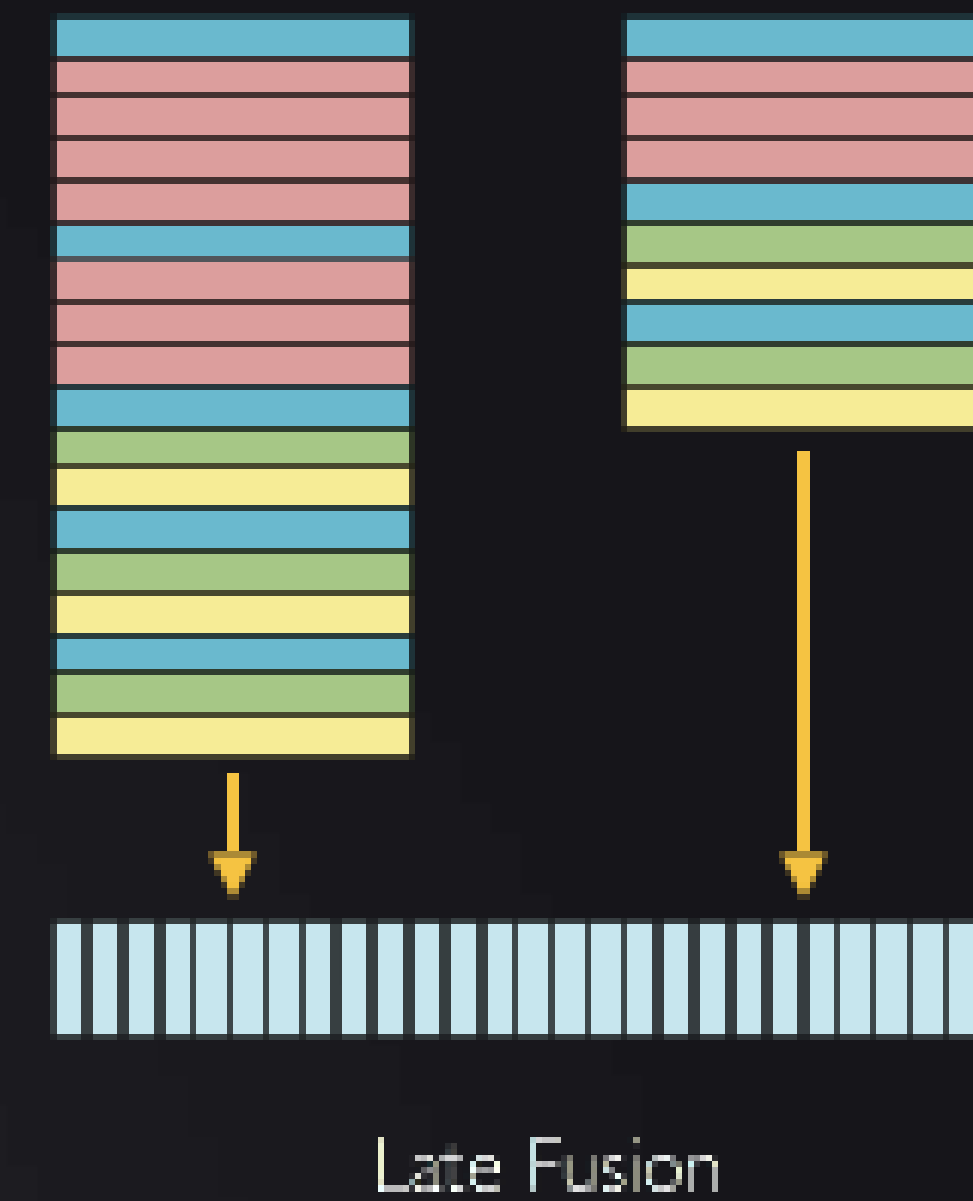
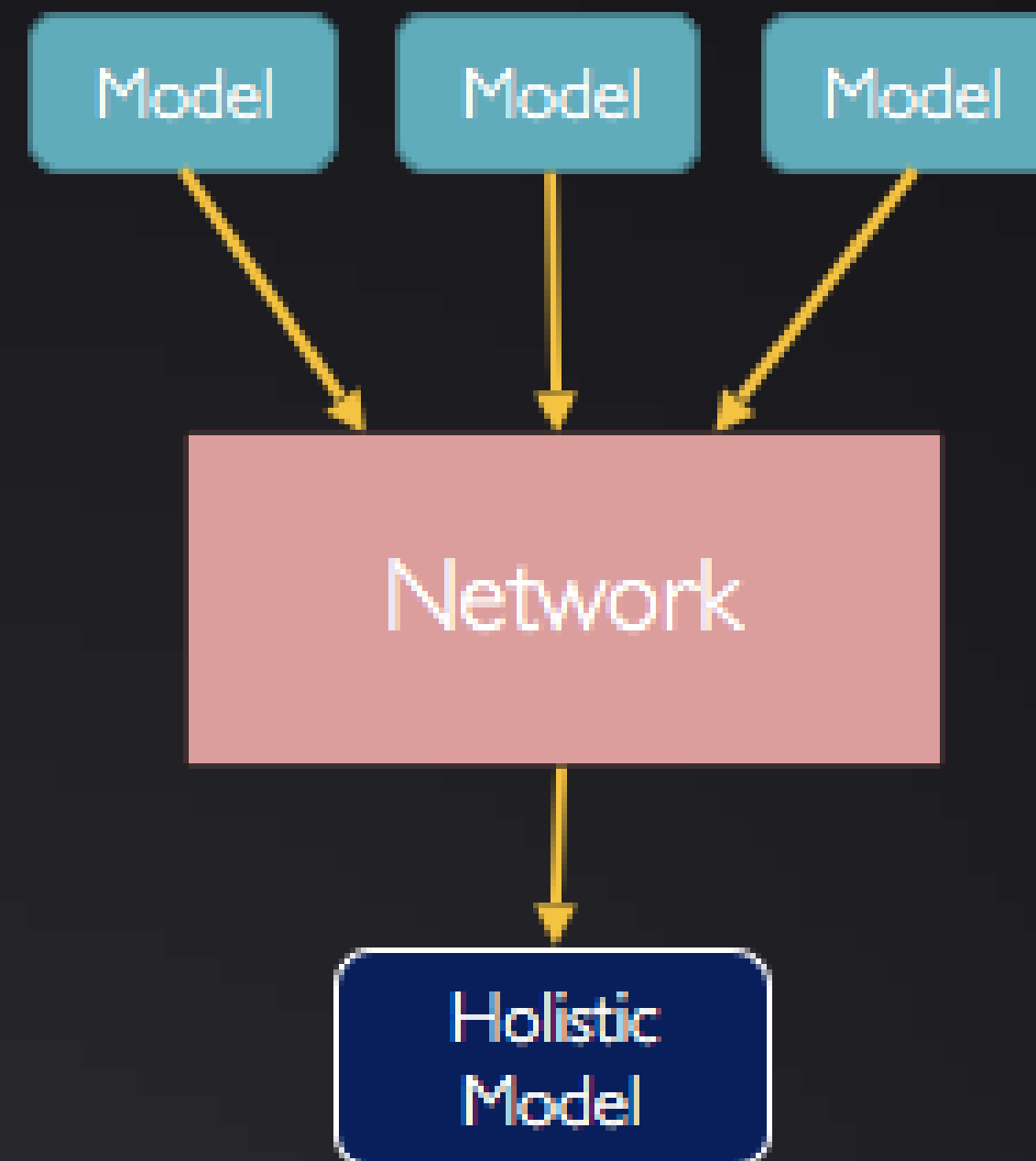
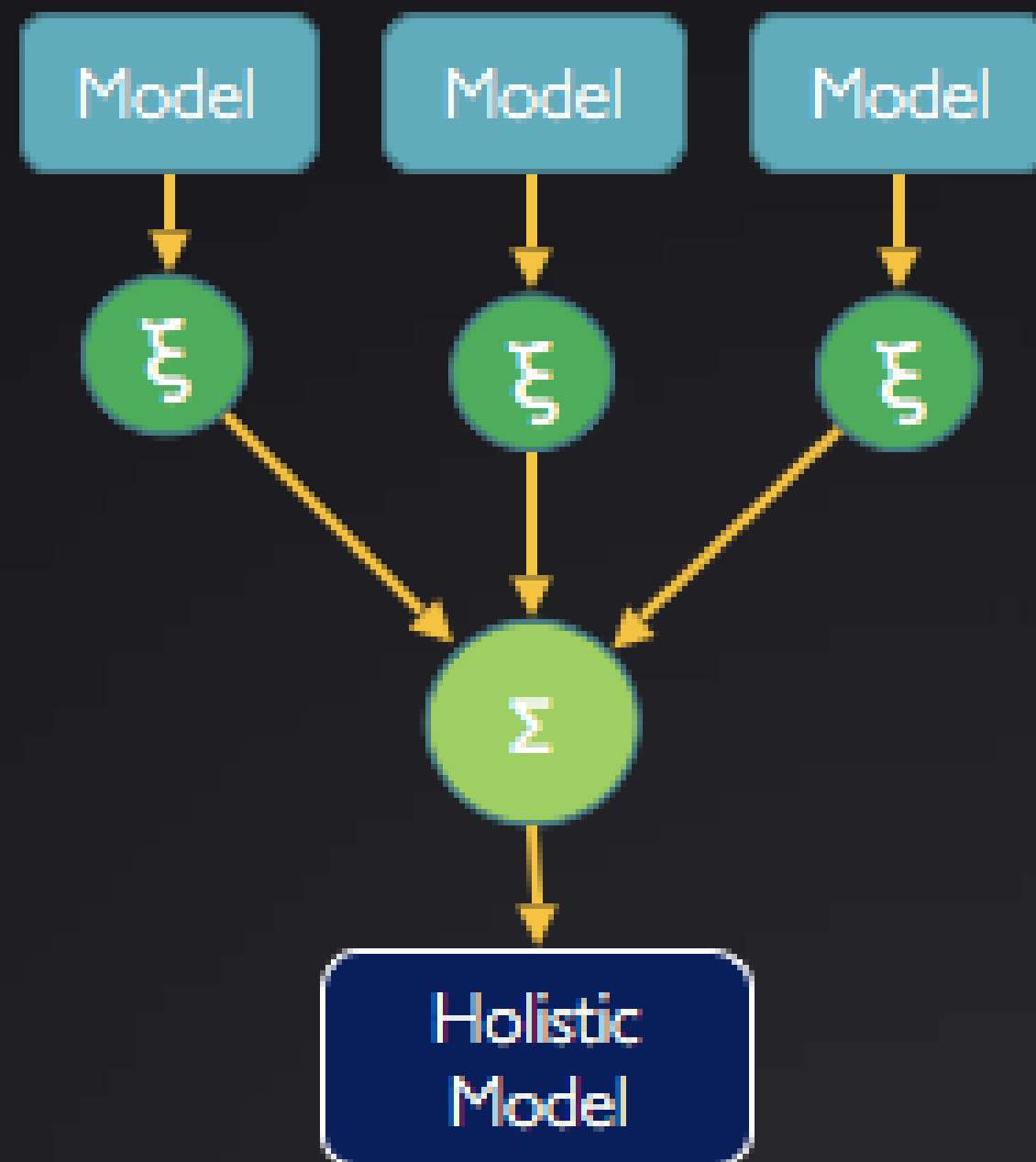


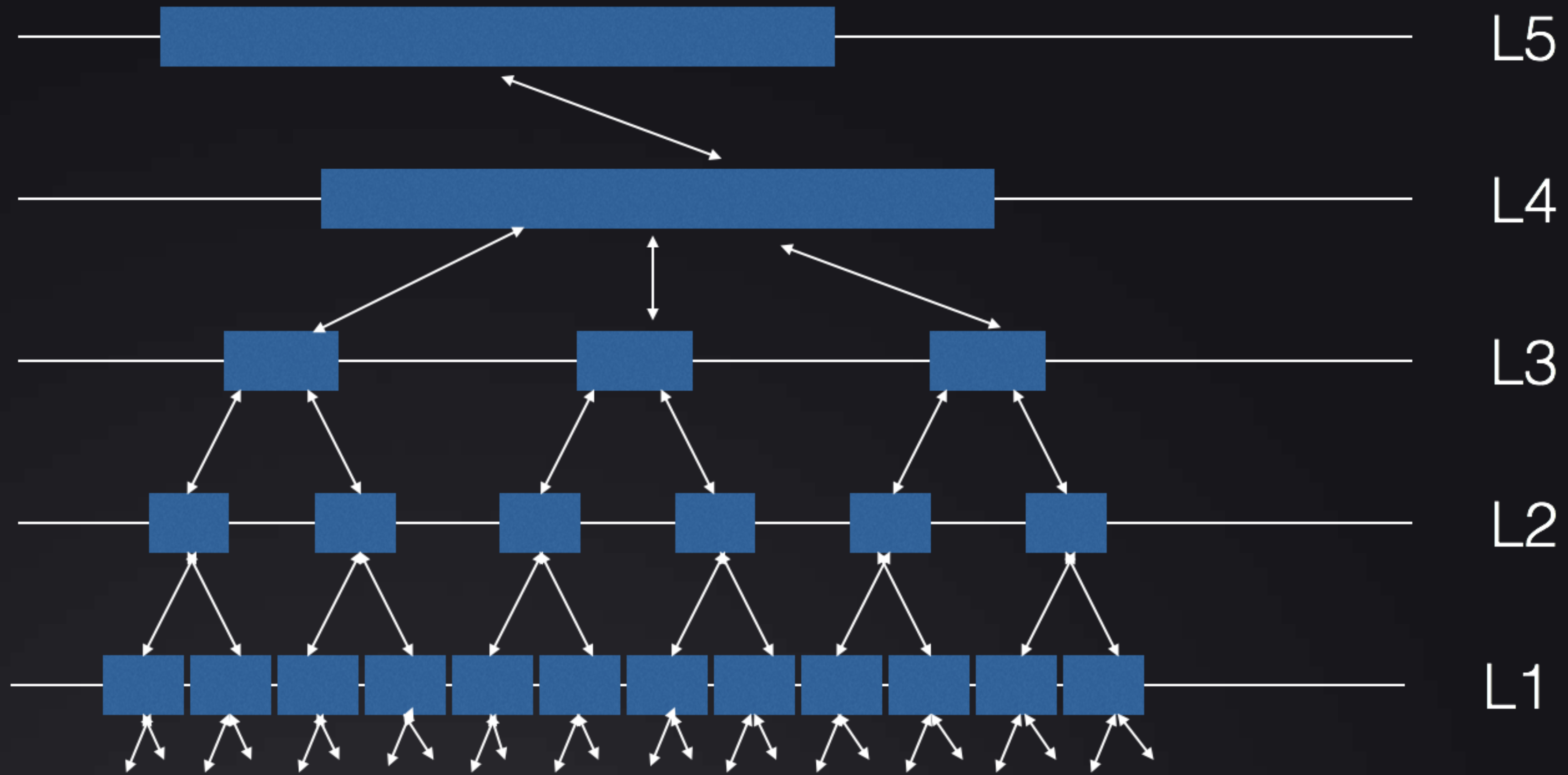
# Semi-Supervised Labeling

Iterative training	Incremental training	<b>Semi-supervised Labeling</b>	Model comparison	Model Fusion
Data Flow		Graph Abstraction		
Data Clean	Data Augment	Caffe	MXNet	Tensorflow
Distributed System		Docker Orchestration		
Caching ID				
Storage	HDFS	Log Server	SQL	NoSQL



## Model Fusion





# Argus机器视觉系统



可自定义开发

Argus现有系统提供

