



# Computer vision: Amazon Rekognition

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Computer vision is the automated extraction of information from digital images. With tools like **AWS Amazon Rekognition**, we can unlock insights from images and videos. This presentation explores how harnessing this **power** can transform industries and enhance decision-making processes.

**Some of the primary use cases for computer vision include**

**Public safety and home security**

**Autonomous driving**

**Medical imaging**



# Algorithms for Face Recognition

**Eigenfaces**

**Fisherfaces**

**DeepFace**

**FaceNet**

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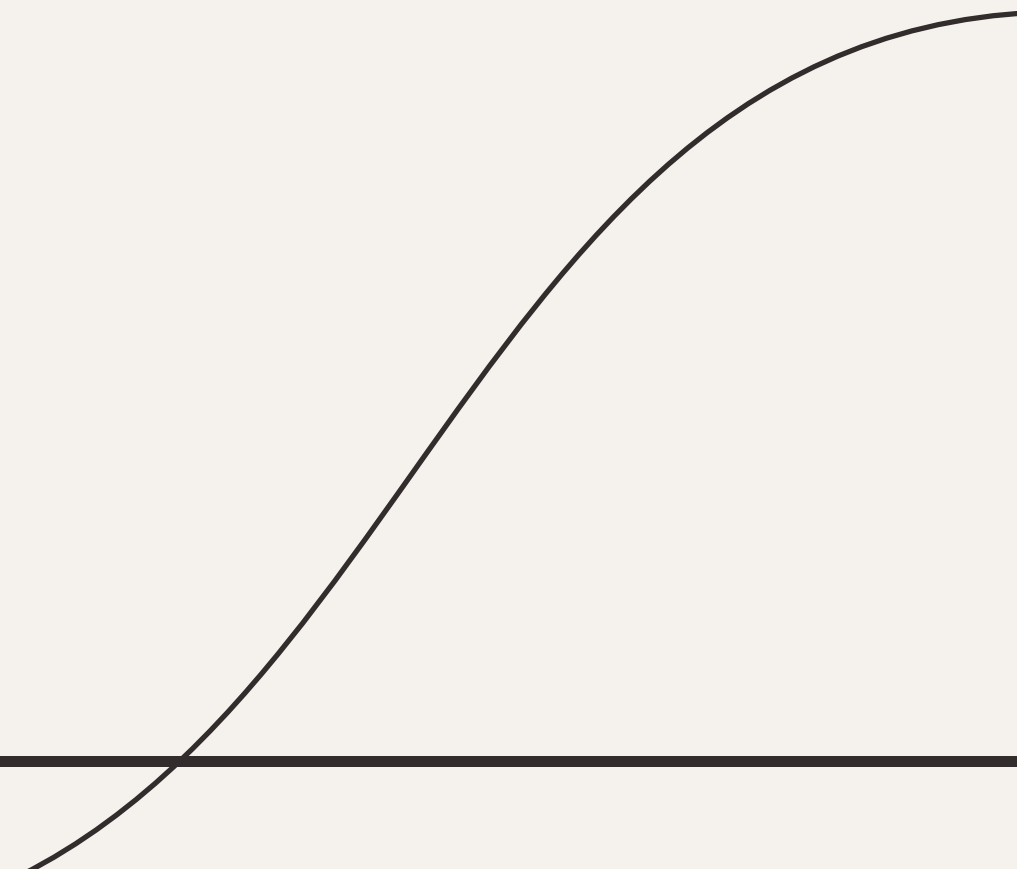
Amazon Rekognition is a computer vision service based on deep learning. You can use it to add image and video analysis to your applications

**Amazon Rekognition enables you to perform the following types of analysis:**

**Searchable image and video libraries**

**Face-based user verification**

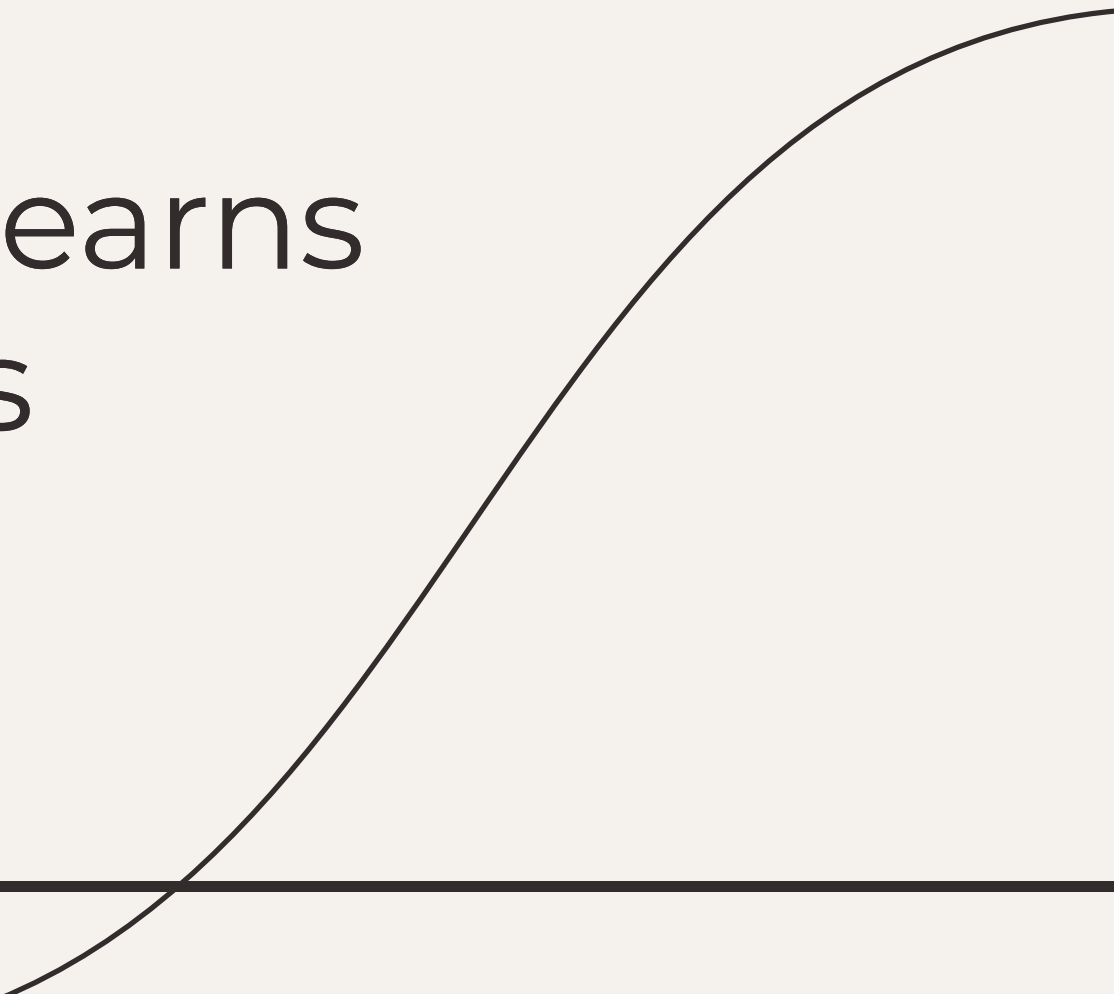
**Sentiment and demographic analysis**



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# Key Features of Rekognition

Can add powerful visual analysis to your applications  
highly scalable and continuously learns  
Integrates with other AWS services



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**Amazon Rekognition can also search for known faces.**

**To use this feature, you must train the model by providing a collection of images to use. After you train the model, you can then detect those people in images that you provide.**

**To find known faces, you must first create a collection and then add faces to the collection. Amazon Rekognition will perform facial recognition on the images that you provide and will return typical information like the bounding box coordinates or confidence score.**

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Thanks!