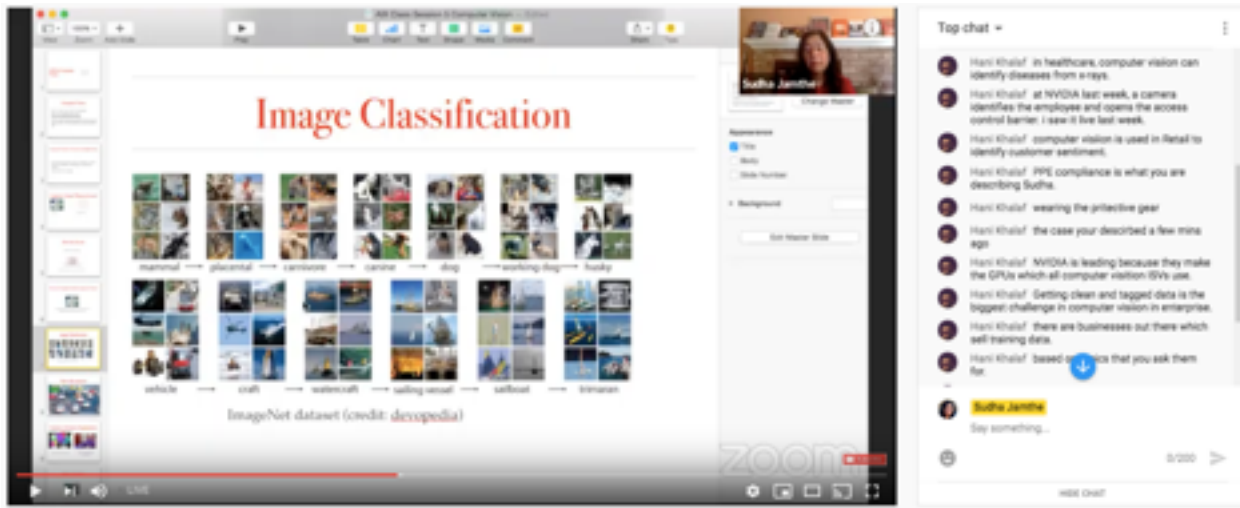
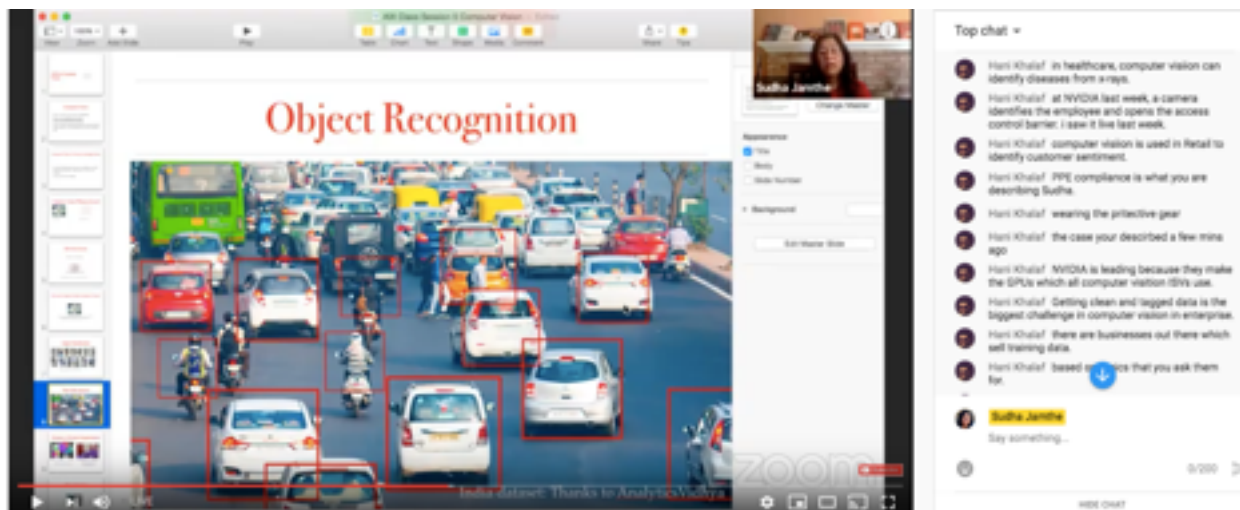


## 5 Types of Activities that lead to different training data for AI Modeling of Computer Vision.

This is an excerpt from Sudha Jamthe's AIX class online on [DriverlessWorldSchool.com](http://DriverlessWorldSchool.com) (Check full syllabus at [bit.ly/aixcourse](http://bit.ly/aixcourse))



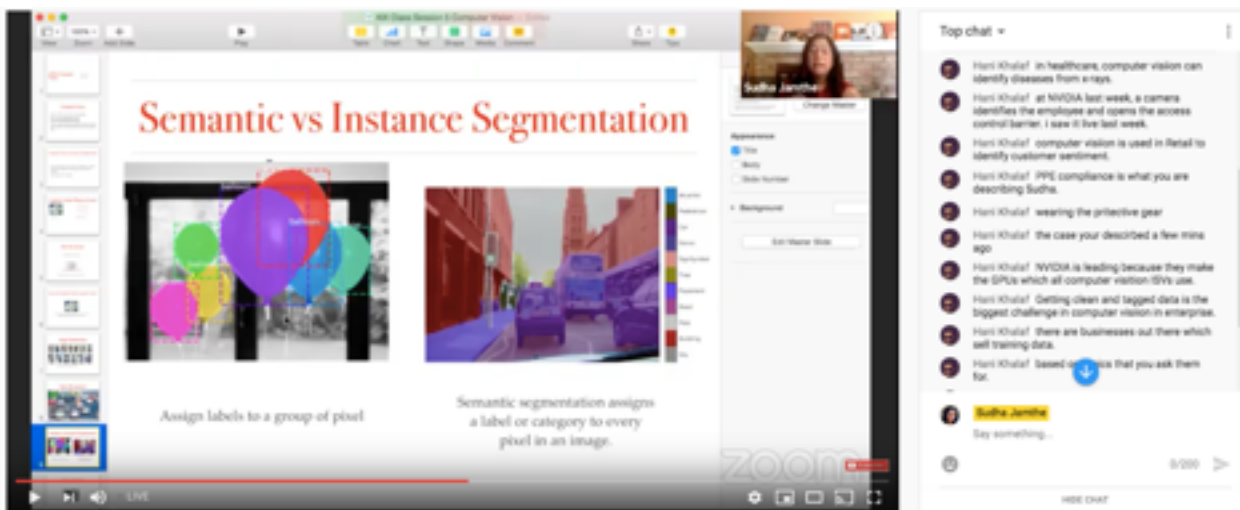
Resources: Imagenet for Image Classification



<https://www.youtube.com/watch?v=akK5ui-vel0>

## Two types of segmentation - adding categories at pixel level

Go past shapes to identify similar items by color or at a more granular level.



The screenshot shows a Zoom meeting interface. The main window displays a slide titled "Semantic vs Instance Segmentation". The slide contains two images: the left one shows a street scene with various colored circles overlaid on different objects, and the right one shows a street scene with a color-coded segmentation map. Below the images, text explains that semantic segmentation assigns a label or category to every pixel in an image. To the right of the slide is a Zoom chat window with a "Top chat" section containing a list of messages from a user named "Sutha Jemtha". The chat messages discuss various topics related to computer vision, such as identifying diseases from X-rays, employee identification, retail sentiment analysis, PPE compliance, and data challenges in enterprise computer vision.

## Object Tracking - Track an object as it moves

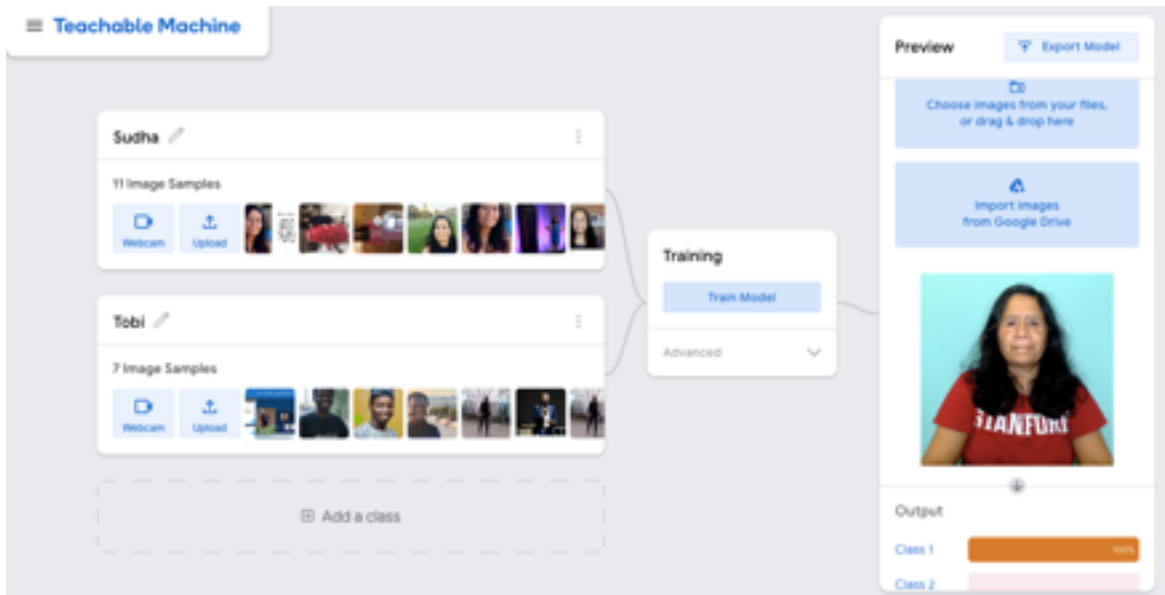
Resource: Perceptive Automata demo on YouTube



The screenshot shows a Zoom meeting interface. The main window displays a video titled "Introducing Perceptive Automata". The video shows a street scene with a car's perspective, featuring several pedestrians and cars. Overlaid on the video are colorful tracking boxes and lines, indicating object tracking. To the right of the video is a Zoom chat window with a "Top chat" section containing a list of messages from a user named "Sutha Jemtha". The chat messages are identical to those in the previous screenshot, discussing various topics related to computer vision.

## Demo: Teachable machine - Training a Computer Vision

Resource: [Teachablemachines.withgoogle.com](https://teachablemachines.withgoogle.com)



Finally, AIX PM and Designer should focus on multimodal design for Computer Vision e.g. nest camera notification on mobile & desktop

