





Is the driver talking?


Using the AI to see whether the drivers' mouth is moving

smile 



229 Image Samples

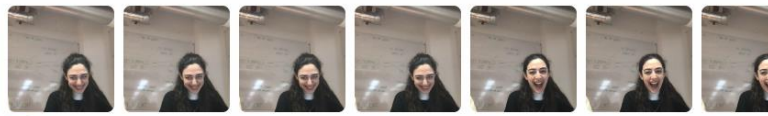
 Webcam  Upload




Open mouse 

224 Image Samples


 Webcam  Upload





 Add a class

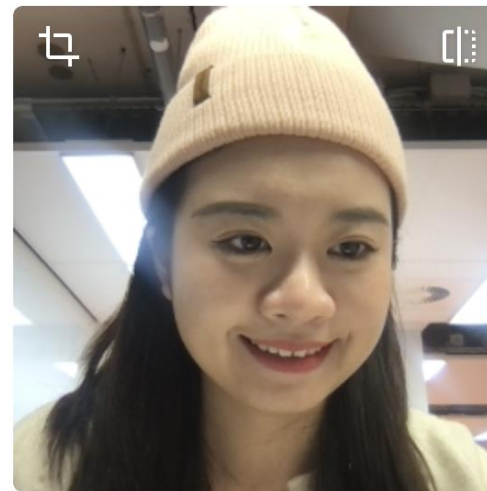
Training

Model Trained

Advanced 

Preview  Export Model

Input ON Webcam 



↓

Output

smile	<div style="width: 98%;"><div style="width: 98%;"></div></div> 98%
Open mouse	<div style="width: 0%;"><div></div></div>



Auto-refresh

Teachable Machine image model simple red&green by gapjustin



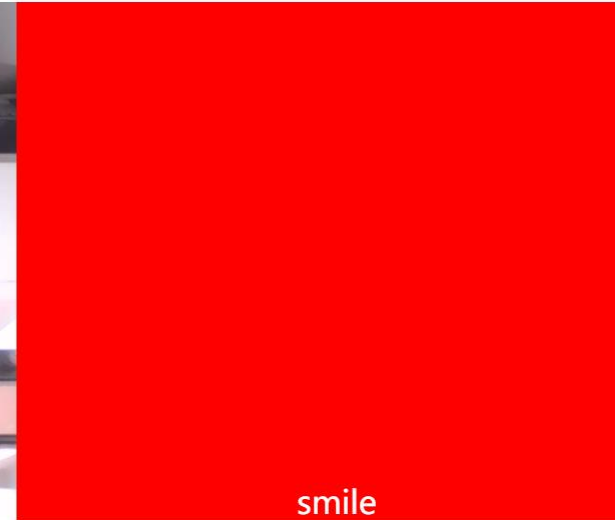
> sketch.js

Preview

```

1  const modelURL =
   'https://teachablemachine.withgoogle.com/models/5EmQiRAR1/';
2  // To find your model link, go to the teachable machine page.
   Hit "Export Model", then hit "Upload my model" then wait
   until it is uploaded, then copy the link under the "Your
   sharable link" section and paste it in here
3
4  const className = 'With box'
5  // If you called the class which contains the box something
   other than "With box" then be sure to change this variable to
   whatever you chose instead.
6
7  /*^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
8  Make sure to update the variables above before continuing.
9  *****/
10 let classifier;
11 let video;
12 let flippedVideo;

```



Console Clear

2 Open mouse
smile

Open mouse

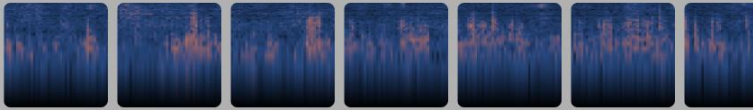
87 smile

Who is talking?

Using AI to recognize the different voices

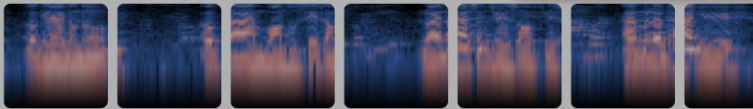
Background Noise

60 Audio Samples / 20 minimum

Mic Upload 

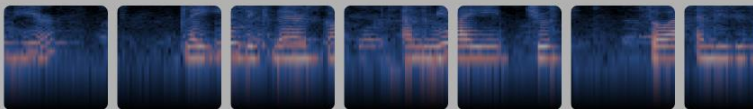
1 passenger

10 Audio Samples / 8 minimum

Mic Upload 

Driver

16 Audio Samples / 8 minimum

Mic Upload 

Exporting samples to Drive...

Training

Model Trained

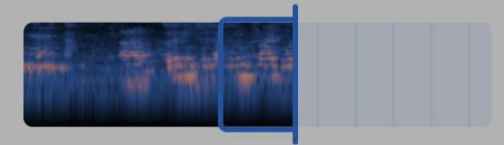
Reset Defaults

Under the hood

Preview

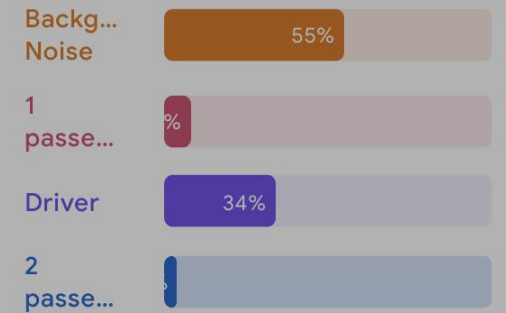
Export Model

Input ON



Overlap Factor: 0.5

Output





Auto-refresh

Teachable Machine audio model simple red & green by gapjustin



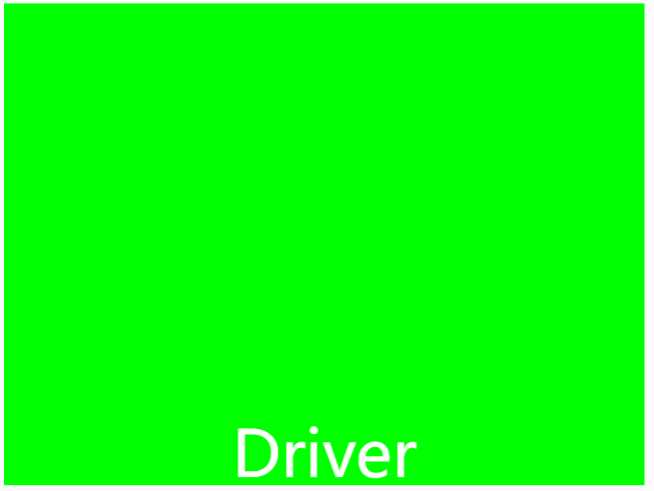
> sketch.js

Preview

```

23 function draw() {
24   if (heardSomething)
25     background(0, 255, 0);
26   else
27     background(255, 0, 0); // If we heard something, turn
the color green, otherwise make it red
28   fill(255);
29   textSize(32);
30   textAlign(CENTER);
31   text(label, width / 2, height - 4); // Put whatever the
AI said it got in text on screen.
32 }
33
34 function getResult(error, results) {
35   if (error) { // If an error occurs, print it in the
console.
36     console.error(error);
37     return;
38   }

```



Console Clear

1 passenger

Driver

1 passenger

6 Driver

>



Auto-refresh

Teachable Machine audio model simple red & green by gapjustin



> sketch.js

```
23 function draw() {
24   if (heardSomething)
25     background(0, 255, 0);
26   else
27     background(255, 0, 0); // If we heard something, turn
the color green, otherwise make it red
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AI said it got in text on screen.
32 }
33
34 function getResult(error, results) {
35   if (error) { // If an error occurs, print it in the
console.
36     console.error(error);
37     return;
38   }
```

Preview



Console

Clear

Background Noise

Driver

② 1 passenger

③ 2 passenger

>



Auto-refresh

Teachable Machine audio model simple red & green by gapjustin



```

> sketch.js
23 function draw() {
24   if (heardSomething)
25     background(0, 255, 0);
26   else
27     background(255, 0, 0); // If we heard something, turn
the color green, otherwise make it red
28   fill(255);
29   textSize(32);
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AI said it got in text on screen.
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34 function getResult(error, results) {
35   if (error) { // If an error occurs, print it in the
console.
36     console.error(error);
37     return;
38   }

```

Preview



Console Clear

- 7 Background Noise Driver
- 3 Background Noise 1 passenger



Are there traffic signs?

Using AI to see if there are traffic signs at the road

traffic signs YES ✎

8 Campioni di posa



traffic signs NO ✎

5 Campioni di posa



+ Aggiungi una classe

Addestramento

Addestra modello

Avanzate ^

Periodi: 60 ?

Dimensione del batch: ?

16 ▾

Tasso di apprendimento: ?

0,0001 ▾

Ripristina impostazioni predefinite ↻

Funzioni avanzate 📊

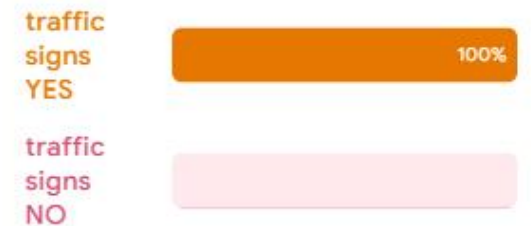
Anteprima

Esporta modello

Input ON Webcam ▾



Output



traffic signs YES

8 Campioni di posa



traffic signs NO

5 Campioni di posa



Aggiungi una classe

Addestramento

Addestra modello

Avanzate

Periodi: 60

Dimensione del batch:

16

Tasso di apprendimento:

0,0001

Ripristina impostazioni predefinite

Funzioni avanzate

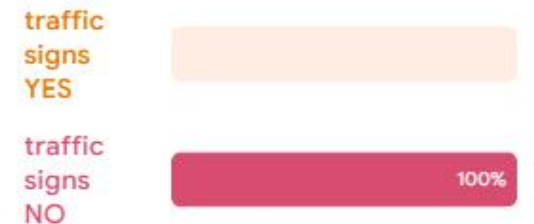
Anteprima

Esporta modello

Input ON Webcam



Output



sketch.js

```
1 const modelURL = 'https://teachablemachine.withgoogle.com/models/8jcyeeJcT/';
2 // To find your model link, go to the teachable machine page. Hit "Export Model", then hit
  // "Upload my model" then wait until it is uploaded, then copy the link under the "Your sharable
  // link" section and paste it in here
3
4 const boxClassName = 'With box'
5 // If you called the class which contains the box something other than "With box" then be sure to
  // change this variable to whatever you chose instead.
6
7 /******
8 Make sure to update the variables above before continuing.
9 *****/
10 let classifier;
11 let video;
12 let flippedVideo;
13 let label;
14 let hasBox = false;
15
16 function preload() {
17   classifier = ml5.imageClassifier(modelURL + 'model.json'); // Load the image classifier model
  // (a.k.a. the created AI)
18 }
19
20 function setup() {
21   createCanvas(640, 260);
22   video = createCapture(VIDEO);
23   video.size(320, 260);
24   video.hide();
25   flippedVideo = ml5.flipImage(video);
26   classifyVideo(); // Capture video and start classifying it.
27 }
28
```

Preview

