ML4K Tutorial



- 8. Click on "Create" at the right bottom of the page.
- 9. Click inside your project to open it.

Glucose Index Recognising images			
10. Click on "Train."			
Train Train			
11. Add a new label.		Add new label	
12. Create these categories:	Low_Glucose Drag pictures from other browser windows and drop them here	Moderate_Glucose Drag pictures from other browser windows and drop them here	High_Glucose Drag pictures from other browser windows and drop them here





13. Click on the webcam and then on "Allow" to start adding pictures in the correct categories.



15. Click on "Back to project."

Back to project

16. Click on "Learn & test."







Name:

Class:

Once finished, click on "Go back to project."

17. Click on "Train new machine	
learning model."	What have you done?
-	You have collected examples of images for a computer to use to recognise when images are Low_Glucose, Moderate_Glucose or
	High_Glucose. You've collected:
	 25 examples of Low_Glucose, 24 examples of Moderate_Glucose, 13 examples of High Glucose,
	- To examples of high_oldcose
	Info from training computer
18 Click on "Test with webcam"	
and hold a nicture	Train new machine learning model
10 Click on "Go back to project "	
19. Click off CO back to project.	
20 Click on "Make"	Maka
20. Click off Make.	Make
	the machine learning model you've trained to make game or app, in Scratch or Python
	Make
21 Click on "Scratch 2 "	Back to project
21. Click off Schalen 5.	Onen in Serate 2
	Your project will add these blocks to Scratch
22 Click "Open in Seretch 2 "	machine learning model recognises it as.
22. Click Open in Scratch 5.	recognise image (confidence)
	recognises the type of images. (As a number from 0 - 100).





23. In Scratch, click on "Project templates."

SCRATCH	🔹 Settings 🝷	루 File 🔻	🖉 Edit 👻	Project templates	Share
Code	J Costumes	البار) Sounds			
Motion Moti	on				

24. Scroll down and find "Judge a book" tutorial.

Recognizing images as sci_fi, thrillers or 2 other classes	Recognizing images as sci_fi, thrillers or 2 other classes
	Image: solution of the solution

25. Click on "Sci-fi" and then click on "Costume" on the top left to change the name to our category.







26. Rename all three and delete one.



Rename sprite too.







27. Click on the "test" sprite and "code."

🔚 Co	de 🧹 Costumes	() Sounds													
Votion	Motion		when	clicked								Click Notes	ext		
Looks	move 10 steps		switch c	ostume to	test-0 🔻										
Sound	turn C ⁴ 15 degree:			· · ·											
Events	turn 🔊 15 degrees		when I re	eceive ne	w-picture										
Control	go to random position	1 -	next cos	tume	10						-	*			
ensing	go to x: -2 y: 73		broadca	st classifi			<<	- recog	nise ima	ge bloc	k will go	here	н 1	Hum	an says
perators	glide 1 secs to r	andom position 👻											1	High Glucos	Glucos Glucos
ariables	glide 1 secs to x:	-2 y: 73													
y Blocks	point in direction 90													Sprite test	
mages	point towards mouse	-pointer -												Show	ø s
ilucose												•		Computer says:	thinking
INGOA	change x by 10											0		label-1	computer
z'	set x to -2											=		High Glucose	Click Next to start

28. Click on the last button to add the "recognize image (label)" and "costume image" blocks.





Name:

29. It will look like this:

		н н П							I receive	when
		K							costume	next
(label)	mage	ime ima	cost	lage	ise in	recogr	8 M L	ion 🔹 to	classifica	set
								sified -		

30. Click the "Costume" tab and then click "Upload" costume.

Image: The Edit Project templates # Tutorials Scratch Project Bare () See Project Page	🖉 Give Feedback 🗂 🐻 scratch-cat 🔻
Str Code Costumes de Sounds	N 🛛 🖉 🗙
1 Destume test-0 Im Im <th>Click Next to start Next Human Says: Computer says: Tarris New New Next</th>	Click Next to start Next Human Says: Computer says: Tarris New New Next
Click Next to start	test Shape x y 73 Werewer Stage Label-1 compute_ 1 Stage Notement Stage
	Name_ Name_ Name_
Backpack	





Name:

31. Click on the "camera" and take pictures of foods you will find inside the envelope provided.



32. Click on "computer guess" sprite and click on Costume.







33. Change the categories and delete the extra.



34. Then, click on Code and copy this code:

Run the code!



