

Introducción a Machine Learning

by: cimadev





Generamos 2.5 quintillones de bytes al día



I could either watch it
happen or be a part of it.

Elon Musk

quotefancy

THIS IS YOUR MACHINE LEARNING SYSTEM?

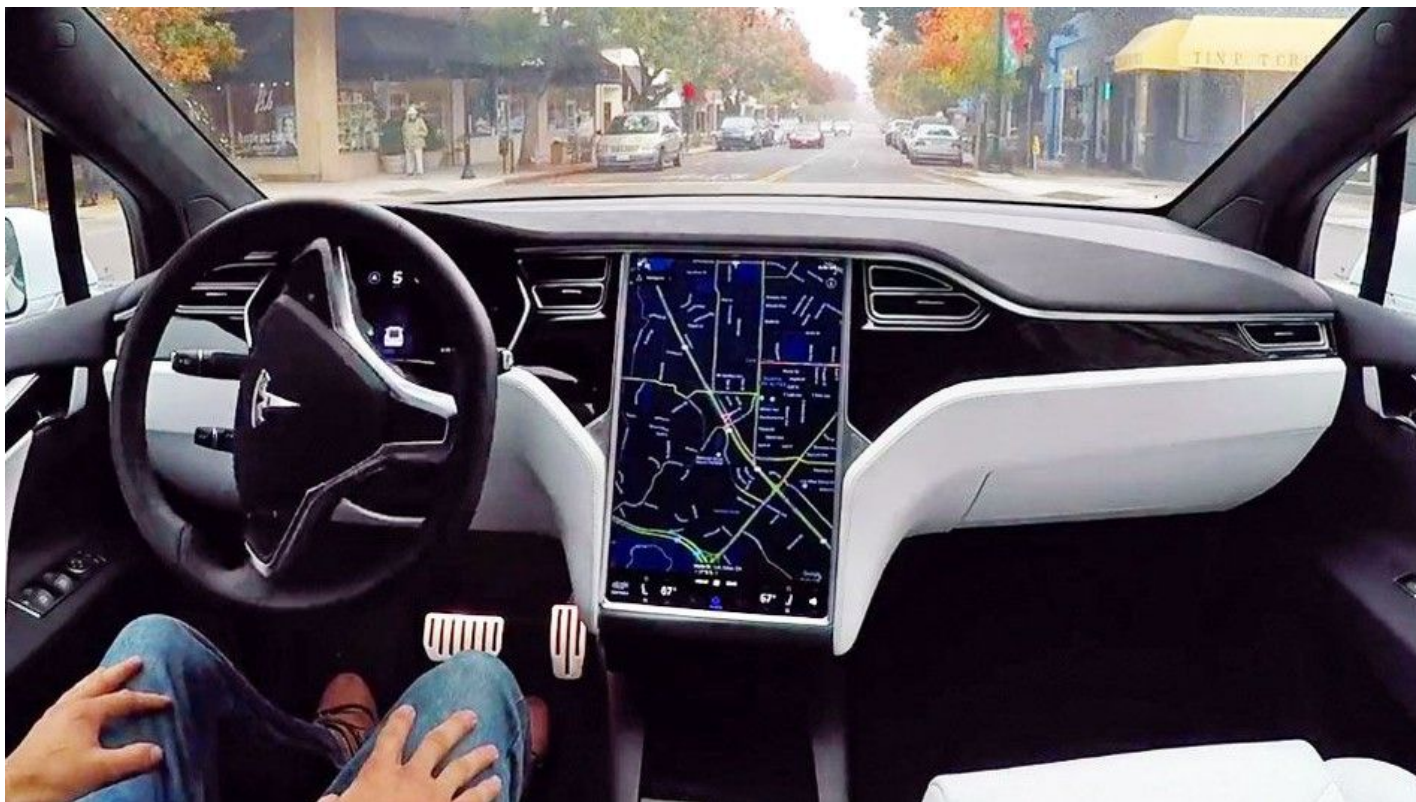
YUP! YOU POUR THE DATA INTO THIS BIG
PILE OF LINEAR ALGEBRA, THEN COLLECT
THE ANSWERS ON THE OTHER SIDE.

WHAT IF THE ANSWERS ARE WRONG?

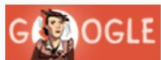
JUST STIR THE PILE UNTIL
THEY START LOOKING RIGHT.











coco



Iniciar sesión

Todos

Imágenes

Videos

Noticias

Maps

Más

Preferencias

Herramientas

Cerca de 442,000,000 resultados (0.65 segundos)

Horarios de Coco

Todos los horarios corresponden a la hora de Los Ángeles

mar., 7 nov.

mié., 8 nov.

jue., 9 nov.

Cualquier hora del día

Mañana

Tarde

Anocheceer

Por la noche

Cinépolis Plaza Americana Otay Tijuana - [Mapa](#)

Estándar 20:10 21:00 21:30 22:00 22:30

Cinemex Mundo Divertido Tijuana - [Mapa](#)

Estándar 19:50 20:30 21:00 21:30 22:10



Coco

2017 · Cine fantástico/Película de misterio · 1h 49m



Reproducir avances en YouTube

Showtimes for Coco

All times are in PT

Tue, Nov 7

Wed, Nov 8

Thu, Nov 9

All times

Morning

Afternoon

Evening

Night

Cinépolis Plaza Americana Otay Tijuana - Map

Standard 8:10pm 9:00pm 9:30pm 10:00pm 10:30pm

Cinemex Mundo Divertido Tijuana - Map

Standard 7:50pm 8:30pm 9:00pm 9:30pm 10:10pm

Cinépolis Galerías Hipódromo - Map

Standard 9:00pm 10:00pm

More showtimes

Top stories



Coco

2017 · Fantasy/Mystery · 1h 49m

Play trailer on YouTube

9.3/10

IMDb

93%

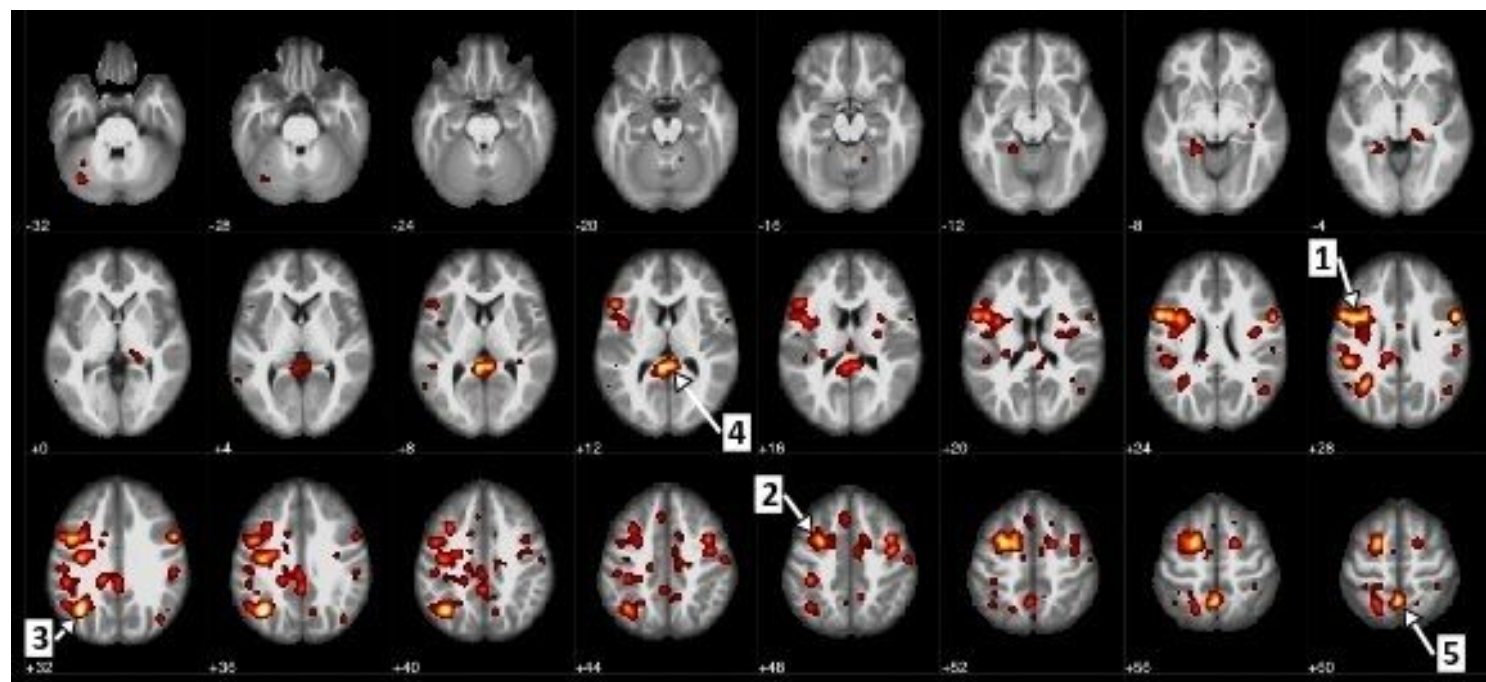
Rotten Tomatoes

92% liked this film

Google users

Like

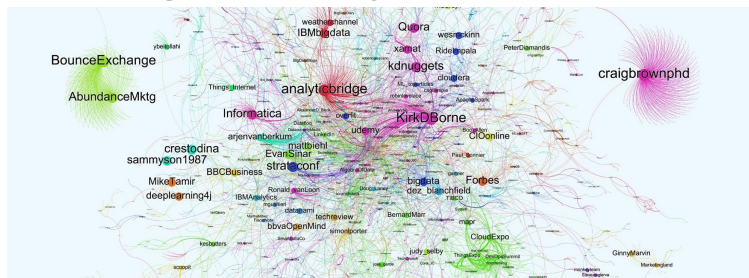
Dislike



Datos

奶系列			特 · 調 · 類		
(\$版)	\$55		義豐冬瓜茶	\$40	
	\$60		甜蜜蜜	\$35	
	\$55		蜂蜜蘆薈	\$50	
	\$60		果 · 汁 · 類		
	\$50		鮮榨檸檬汁	\$50	
	\$50		鮮榨檸檬紅	\$55	
	\$55		鮮榨檸檬綠	\$55	
粒	\$60		百香綠茶	\$50	
粒	\$60		冬瓜檸檬	\$55	
	\$50		蜂蜜檸檬	\$60	
	\$60		橙香綠茶	\$65	

Algoritmos y Modelos



Predicción

\$55	meaning feng melon tea	\$40
\$60	sweet honey	\$35
\$55	honey Lo cang	\$50
\$60	fruit · juice · class	
\$50	fresh lemon juice	\$50
\$50	fresh lemon Red	\$55
\$55	fresh lemon Green	\$55
\$60	100 Hong Green tea	\$50
\$60	melon lemon	\$55
\$50	honey lemon	\$60
\$60	Orange Hong Green tea	\$65

¿Predictibilidad?



1. Instalar y abrir Docker



2. Abrir CMD como administrador.

3. Ir a C:\Users\cimadev>

4. docker run -it gcr.io/tensorflow/tensorflow:latest-devel

```
C:\Users\ingri>docker run -it gcr.io/tensorflow/tensorflow:latest-devel  
root@ff07f6a84491:~#
```

Ctrl + D para salir.

5. Con el f6lder de im6genes y label_image.py llamado tf_files en C:\Users\cimadev>

docker run -it -v c:/Users/ingri/tf_files:/star_wars/
gcr.io/tensorflow/tensorflow:latest-devel

```
C:\Users\ingri>docker run -it -v c:/Users/ingri/tf_files:/star_wars/ gcr.io/tensorflow/tensorflow:latest-devel  
root@eb57cca82eb5:~#
```

6. cd /tensorflow

```
C:\Users\ingri>docker run -it -v c:/Users/ingri/tf_files:/star_wars/ gcr.io/tensorflow/tensorflow:latest-devel  
root@eb57cca82eb5:~# cd /tensorflow  
root@eb57cca82eb5:/tensorflow#
```

7. git pull

```
C:\Users\ingri>docker run -it -v c:/Users/ingri/tf_files:/star_wars/ gcr.io/tensorflow/tensorflow:latest-d
root@eb57cca82eb5:~# cd /tensorflow
root@eb57cca82eb5:/tensorflow# git pull
remote: Counting objects: 4689, done.
remote: Total 4689 (delta 2265), reused 2265 (delta 2265), pack-reused 2424
Receiving objects: 100% (4689/4689), 1.95 MiB | 0 bytes/s, done.
Resolving deltas: 100% (3587/3587), completed with 982 local objects.
From https://github.com/tensorflow/tensorflow
   d752244..9283868  r1.4      -> origin/r1.4
* [new branch]      gunan-patch-1 -> origin/gunan-patch-1
   d77b998..10cf65b  master   -> origin/master
* [new branch]      yifeif-patch-1 -> origin/yifeif-patch-1
* [new branch]      yifeif-patch-2 -> origin/yifeif-patch-2
* [new branch]      yifeif-patch-3 -> origin/yifeif-patch-3
* [new branch]      yifeif-patch-4 -> origin/yifeif-patch-4
* [new tag]         v1.4.0     -> v1.4.0
Updating d752244..9283868
Fast-forward
 tensorflow/contrib/data/README.md      | 2 +-
 tensorflow/docs_src/install/index.md    | 2 ++
 tensorflow/docs_src/install/install_sources.md | 6 +++--
 tensorflow/tools/docker/Dockerfile.devel-gpu | 11 ++++++----
 4 files changed, 13 insertions(+), 8 deletions(-)
```


8. Selecciona y después haz click derecho en CMD (de esa manera se pegará el texto).

```
python tensorflow/examples/image_retraining/retrain.py  
--bottleneck_dir=/tf_files/bottlenecks --how_many_training_steps=500  
--model_dir=/tf_files/inception --output_graph=/tf_files/retrained_graph.pb  
--output_labels=/tf_files/retrained_labels.txt --image_dir /star_wars/star_wars
```

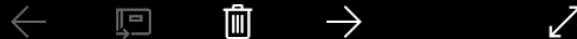
9. Selecciona y después haz click derecho en CMD (de esa manera se pegará el texto).

```
python /star_wars/star_wars/label_image.py  
/star_wars/star_wars/darth_vader/pic_001.jpg
```

```
INFO:tensorflow:2017-11-07 06:13:16.7106  
INFO:tensorflow:2017-11-07 06:13:16.7109  
INFO:tensorflow:2017-11-07 06:13:16.7897  
INFO:tensorflow:2017-11-07 06:13:17.5460  
INFO:tensorflow:2017-11-07 06:13:17.5464  
INFO:tensorflow:2017-11-07 06:13:17.6278  
INFO:tensorflow:2017-11-07 06:13:18.2808  
INFO:tensorflow:2017-11-07 06:13:18.2811  
INFO:tensorflow:2017-11-07 06:13:18.3737  
INFO:tensorflow:Final test accuracy = 77  
INFO:tensorflow:Froze 2 variables.  
Converted 2 variables to const ops.  
root@c41c1daec:/tensorflow# python /s  
2017-11-07 06:13:42.686637: I tensorflow  
s TensorFlow binary was not compiled to  
2017-11-07 06:13:43.112120: W tensorflow  
cated. It will cease to work in GraphDef  
darth vader (score = 0.98744)  
darth maul (score = 0.01256)  
root@c41c1daec:/tensorflow#
```



ic_001.
ons tha
ion is





fb.com/cimadevs

github.com/ingridsoto
ingridsotodiaz@gmail.com