



IA LEMANS STUDYGROUP

Batch 00



A group of about ten people, mostly young adults, are sitting on wooden benches around a campfire made of stones. The fire is burning brightly in the center. They are in a desert-like environment with rocky hills in the background. The lighting suggests it's late afternoon or early evening. The people are dressed in casual outdoor clothing like plaid shirts, t-shirts, and hats. One man in the center is wearing a blue t-shirt with the word "EPIC" on it. The overall mood is relaxed and social.

STUDYGROUP

#IALeMans

BATCH00-PART4



Au coeur du NLP



PRE-REQUIS



Version 5.0.0 | Release Date: September 26, 2017

<https://www.anaconda.com/download/>



notebook | <http://jupyter.org/>



version 1.3 | <https://www.tensorflow.org/install/>



COURSES

coursera



<https://fr.coursera.org/learn/machine-learning>

coursera



<https://www.coursera.org/specializations/deep-learning>

UDACITY

<https://www.udacity.com/course/deep-learning--ud730>

Medium

<https://medium.com/@ageitgey/machine-learning-is-fun-80ea3ec3c471>



Siraj Raval
193 247 abonnés

<https://www.youtube.com/channel/UCWN3xxRkmTPmbKwht9FuE5A>

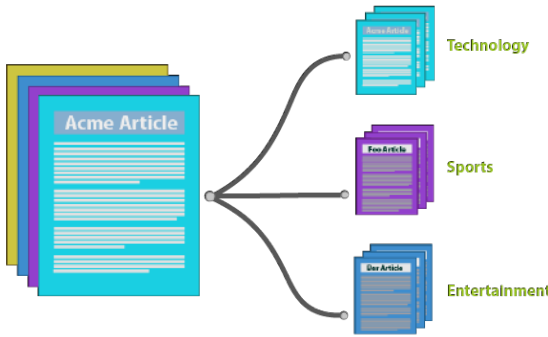


WORKSHOP



Image Classification

<https://codelabs.developers.google.com/codelabs/tensorflow-for-poets/#0>



Text Classification

<https://medium.com/towards-data-science/machine-learning-nlp-text-classification-using-scikit-learn-python-and-nltk-c52b92a7c73a>
<https://github.com/tensorflow/tensorflow/tree/master/tensorflow/examples/learn#text-classification>

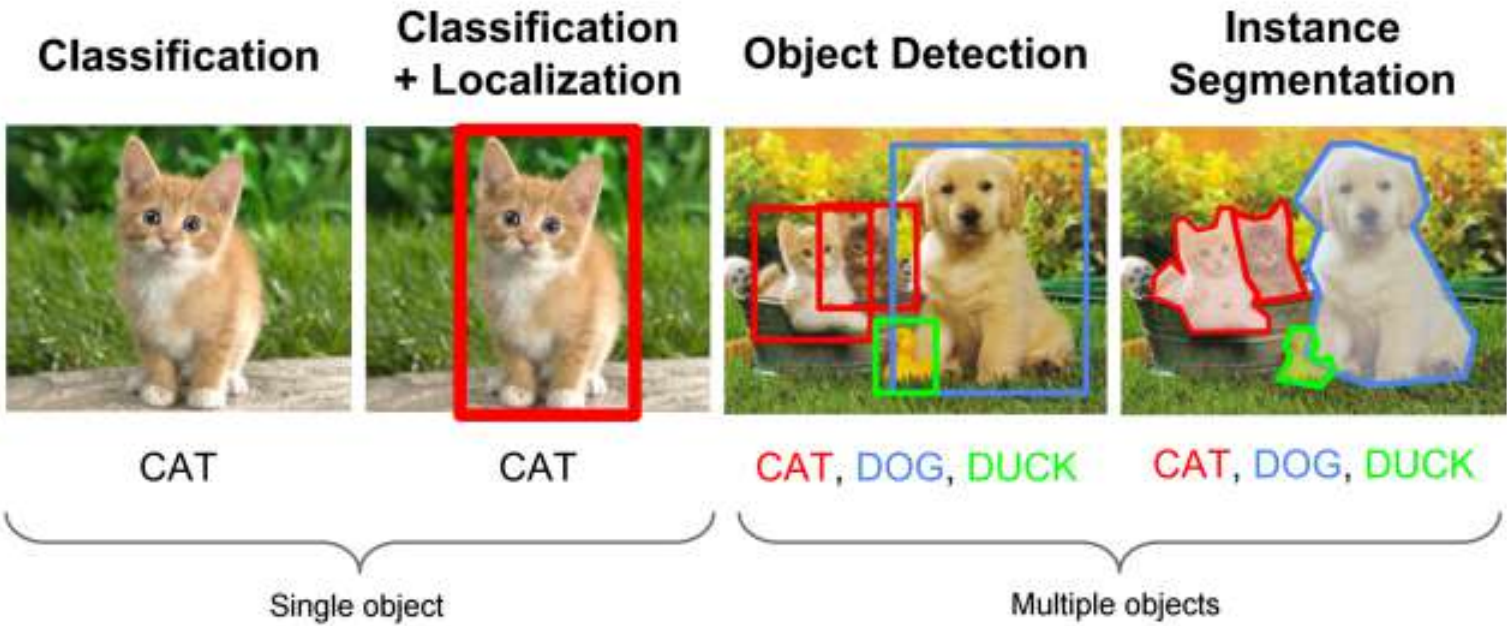
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in in <UNK> <UNK> <UNK> .

Text Summarization

<https://hackernoon.com/how-to-run-text-summarization-with-tensorflow-d4472587602d>



Object Detection

<https://medium.com/towards-data-science/building-a-real-time-object-recognition-app-with-tensorflow-and-opencv-b7a2b4ebdc32>



Self Driving Car

<https://github.com/sagar448/Self-Driving-Car-3D-Simulator-With-CNN>



SO
HYPE



LA MINUTE HYPE



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NEWS RELEASES

Media Advisory

Wednesday, September 27, 2017

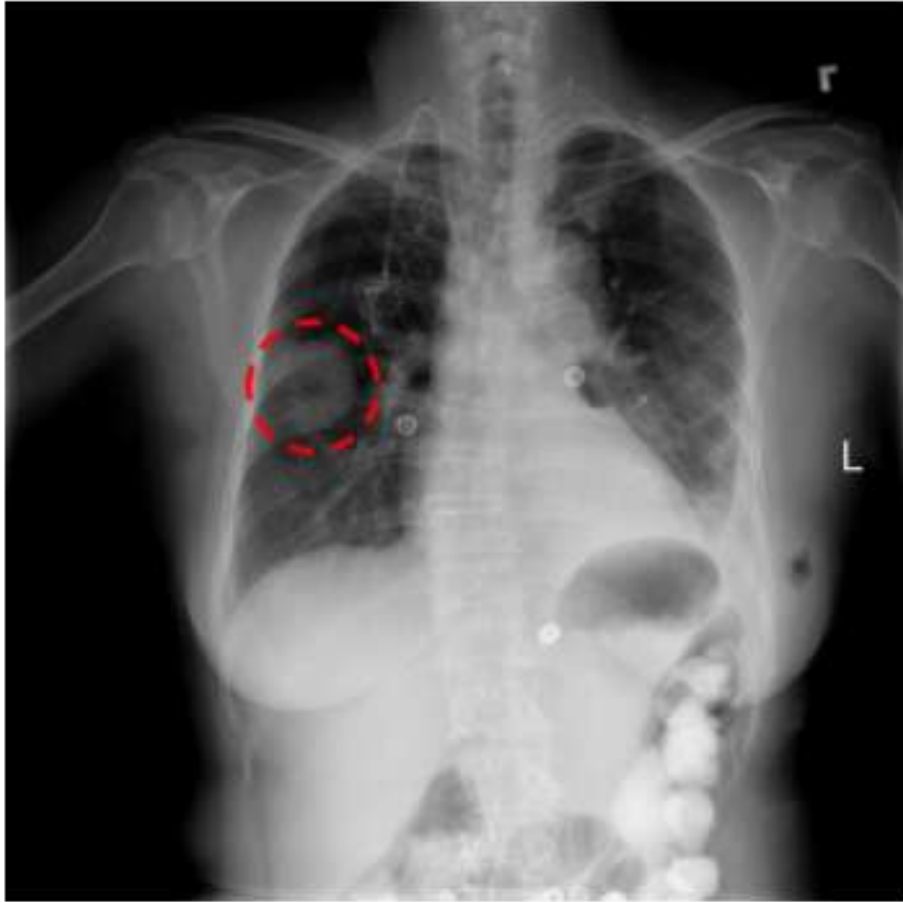
NIH Clinical Center provides one of the largest publicly available chest x-ray datasets to scientific community

The dataset of scans is from more than 30,000 patients, including many with advanced lung disease.

What

The NIH Clinical Center recently released over 100,000 anonymized chest x-ray images and their corresponding data to the scientific community. The release will allow researchers across the country and around the world to freely access the datasets and increase their ability to teach computers how to detect and diagnose disease. Ultimately, this artificial intelligence mechanism can lead to clinicians making better diagnostic decisions for patients.

NIH compiled the dataset of scans from more than 30,000 patients, including many with advanced lung disease. Patients at the NIH Clinical Center, the nation's largest hospital devoted entirely to clinical research, are partners in research and voluntarily enroll to participate in clinical trials. With patient privacy being paramount, the dataset was rigorously screened to remove all personally identifiable information before release.



A chest x-ray identifies a lung mass.

Institute/Center

Clinical Center (CC)

Contact

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<https://www.nih.gov/news-events/news-releases/nih-clinical-center-provides-one-largest-publicly-available-chest-x-ray-datasets-scientific-community>





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TUTO LINKS

Summarization

- <http://deeplearning.lipingyang.org/tensorflow-examples-text/>
- <https://hackernoon.com/how-to-run-text-summarization-with-tensorflow-d4472587602d>
- <https://medium.com/@ilblackdragon/tensorflow-text-classification-615198df9231>

title prediction

- <https://www.dataquest.io/blog/natural-language-processing-with-python/>

Classification

- <http://manishankert.blogspot.fr/2017/04/text-classification-using-cnn-writte-in.html>
- <https://syncedreview.com/2017/05/19/big-picture-machine-learning-classifying-text-with-neural-networks-and-tensorflow/>
- [\[http://www.developintelligence.com/blog/2017/06/practical-neural-networks-keras-classifying-yelp-reviews/\]](http://www.developintelligence.com/blog/2017/06/practical-neural-networks-keras-classifying-yelp-reviews/)
- LSTM Networks for Sentiment Analysis <http://deeplearning.net/tutorial/lstm.html>

keywords extraction

- <https://www.airpair.com/nlp/keyword-extraction-tutorial>

videos siraj

- How_to_make_a_text_summarizer | <https://youtu.be/ogrJaOIuBx4> | https://github.com/llSourcell/How_to_make_a_text_summarizer/
- How to Make a Language Translator | <https://youtu.be/nRBnh4qbPHI> | https://github.com/llSourcell/How_to_make_a_language_translator
- How to Do Sentiment Analysis | <https://youtu.be/si8zZHkufRY> | https://github.com/llSourcell/How_to_do_Sentiment_Analysis