

321Code!

Autonomous Autos. Lächeln für Orwell. Ritter der Kokosnuss?!

Morressier



Programmiersprachen



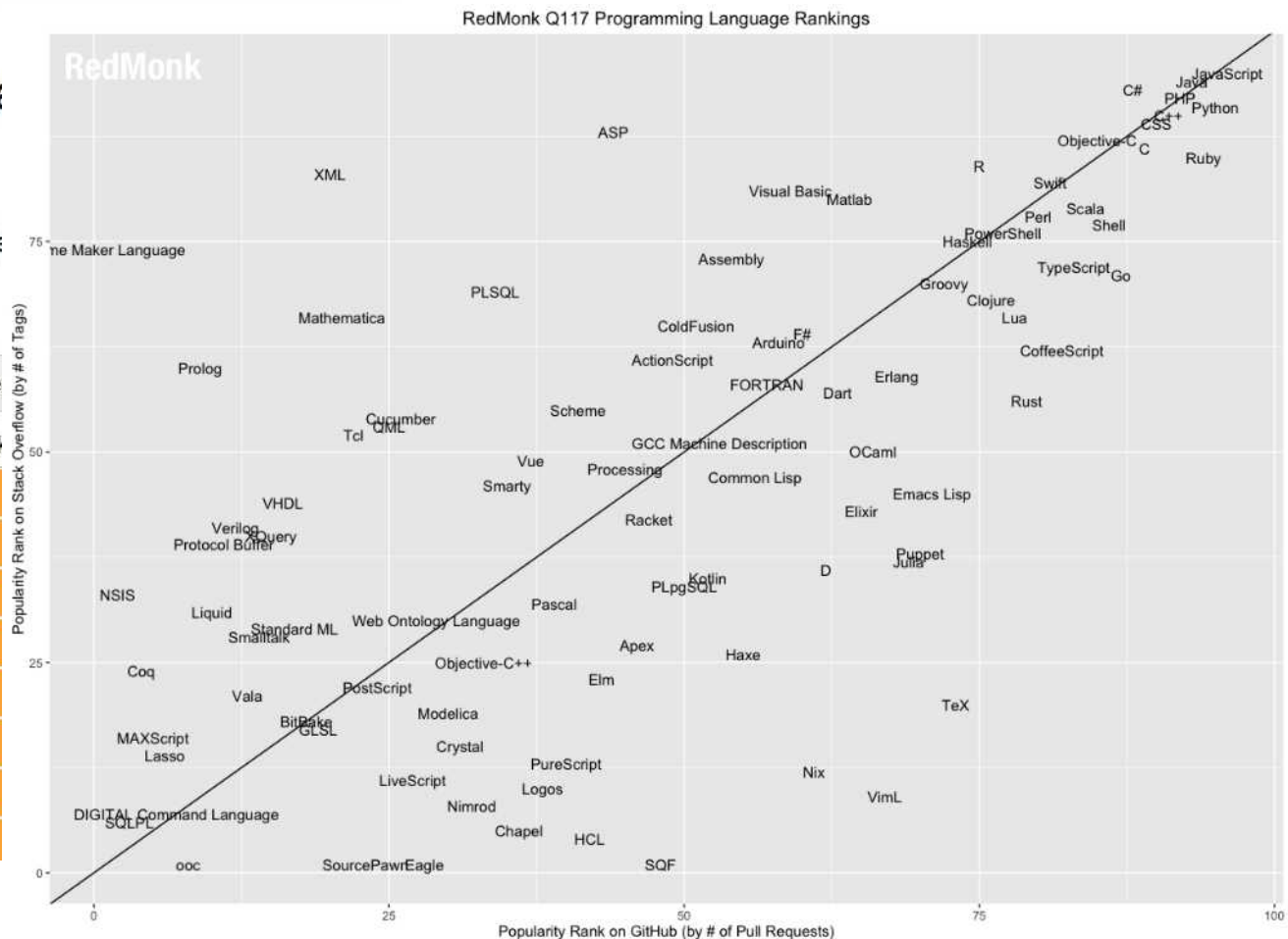
Interactive: The Top Programming Languages 2017

Interactive: The Top Programming Language

Language Types (click to hide)



Language Rank	Types	Spectrum Rank
1. Python		100.0
2. C		99.7
3. Java		99.4
4. C++		97.2
5. C#		88.6
6. R		88.1
7. JavaScript		85.5
8. PHP		81.4





Programmiersprachen





3 Folien Python 0/3

```
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Python 3.6.1 (default, Mar 27 2017, 00:27:06)  
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3 Folien Python 1/3

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...     return a + b
...
>>> add(2, 3)
5
```

```
>>> # Variablen
>>> fünf = add(2, 3)
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5
>>> zwei, drei = 2, 3
>>> add(zwei, drei)
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```
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>>> titel = '321Code!'
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>>> titel.lower()
'321code!'
>>> titel.upper()
'321CODE!'
>>> titel.replace('321', '123')
'123Code!'
>>> titel * 2
'321Code!321Code!'
>>> len(titel)
8
```



3 Folien Python 2/3

```
>>> # Listen
>>> liste = [3, 2, 1]
>>> liste[2]
1
>>> print(liste)
[3, 2, 1]
>>> len(liste)
3
>>> liste.append('Code!')
>>> len(liste)
4

>>> # Tuple
>>> tuple = (3, 2, 1, 'Code!')
```

```
>>> # Kontrollstrukturen
>>> if len(liste) > 3:
...     print('Wahr')
... else:
...     print('Falsch')
...
Wahr
>>> if '3' in tuple:
...     print('Auch Wahr')
...
>>> if 3 in tuple:
...     print('Jetzt aber.')
...
Jetzt aber.
```



3 Folien Python 3/3

```
>>> # Schleifen
>>> for i in liste:
...     print(i)
...
3
2
1
```

Code!

```
>>> a = 5
>>> while a >= 0:
...     print(a)
...     a = a - 1
...
5
4
3
2
1
0
```



Coding Session



3 Folien Python 4/3



Python

<https://py-tutorial-de.readthedocs.io/de/python-3.3/>
<https://docs.python.org/3/tutorial/>

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[EN]

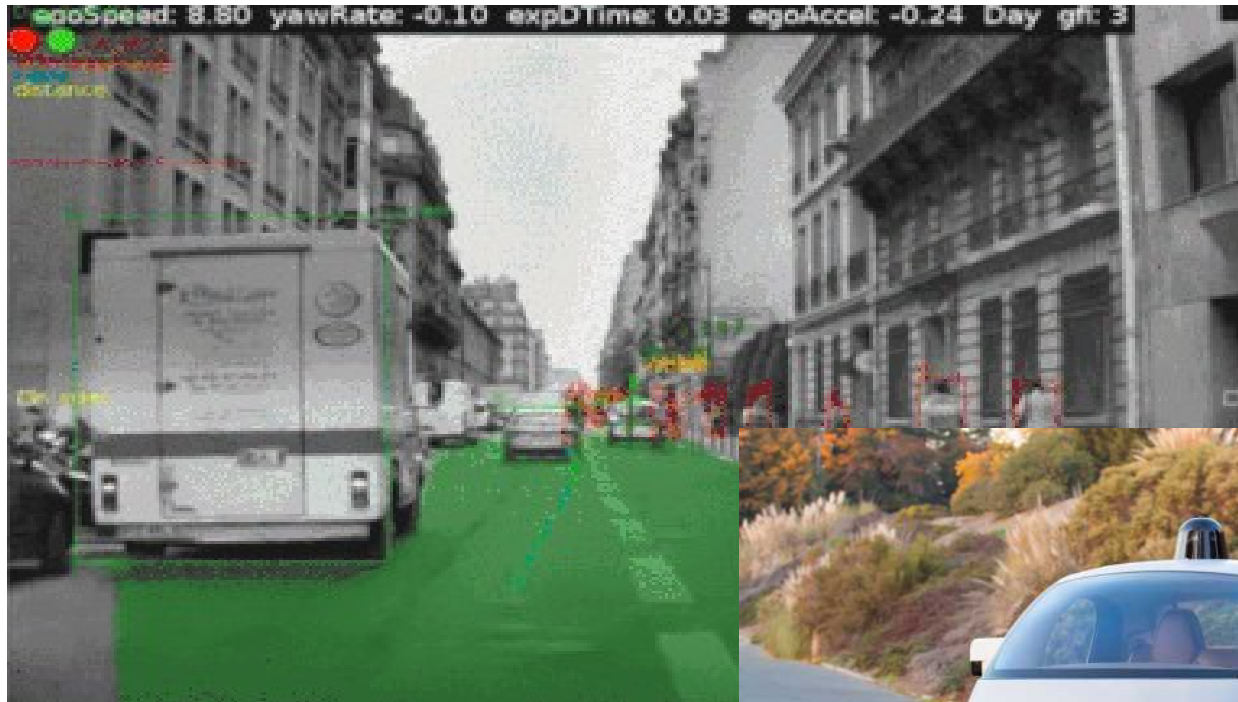
OpenCV

http://docs.opencv.org/3.3.0/d6/d00/tutorial_py_root.html
<http://docs.opencv.org/3.3.0/>

[EN]
[EN]



Autonome Autos



Autonome XXXX



First Zero-Emission, Fully-Autono Container Ship Planned for 2020

May 9, 2017 by Mike Schuler



Manned operation is planned to start in the latter half of 2018, with remote-operation begin autonomous operation starting in 2020. Credit: Yara/Kongsberg

Norwegian fertilizer producer Yara and maritime technology firm Kongsberg Grup what they say will be the world's first fully-electric and autonomous container fee

"The new zero-emission vessel will be a game-changer for global maritime trans the United Nations sustainability goals," the companies said on Tuesday.

MUTE MEM

Here's how Tesla, Uber, and Google are trying to revolutionize the trucking industry

BI Danielle Muoio, Business Insider
20.06.2017, 15:07 619

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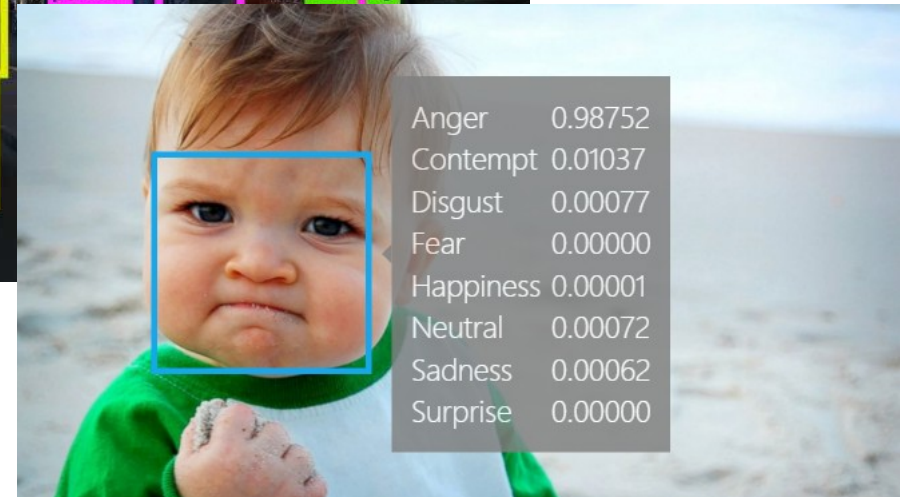
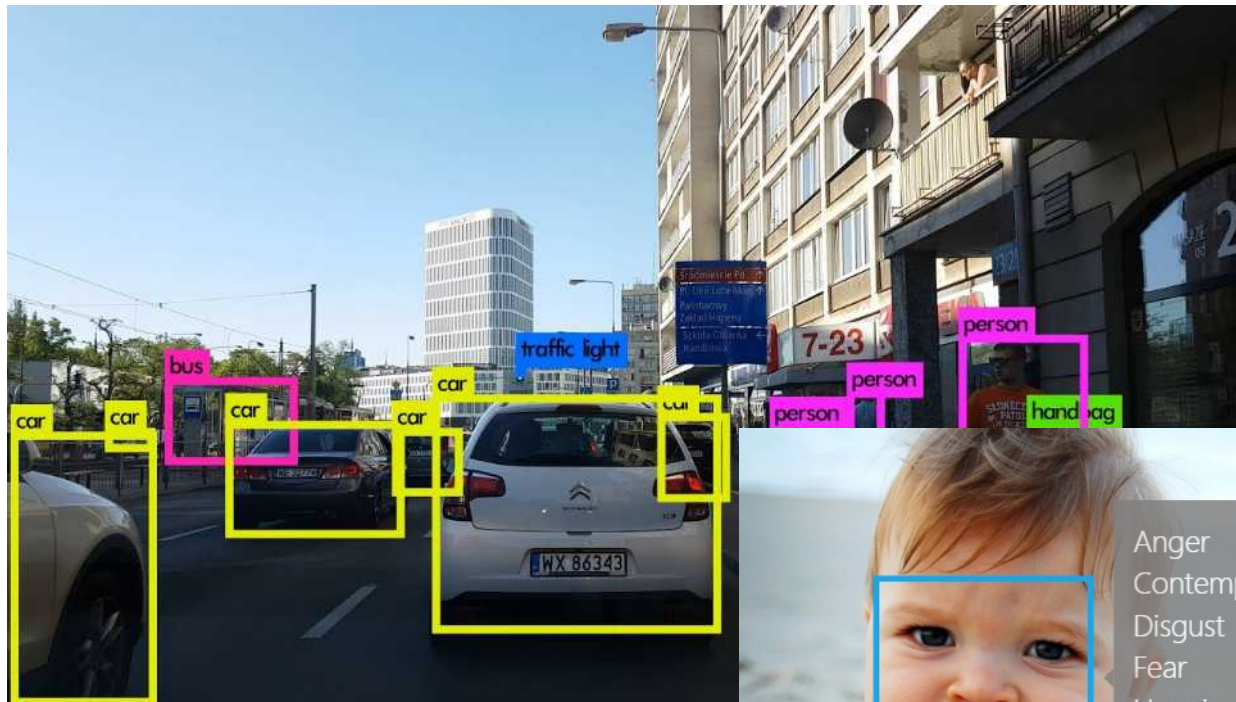
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Artificial Intelligence



In Medizin?

How AI and Machine Learning are Aiding Schizophrenia Research

July 21, 2017 | Written by: Dr. Guillermo Cecchi

Categorized: Artificial Intelligence | Machine Learning

Share this post:



In the U.S. about 20 percent of adults suffer from a mental health condition, but many receive no treatment. While early identification, diagnosis, and treatment can help, in schizophrenia, there is no medical testing that can provide an absolute answer.

Earlier this year, IBM scientists collaborated with researchers at the University of California for Advanced Studies (CAS) to publish new research regarding the use of machine learning to predict instances of schizophrenia with a 74 percent accuracy. The study found that the severity of specific symptoms in schizophrenia patients – such as hallucinations – can be used to help predict the likelihood of patients with schizophrenia.

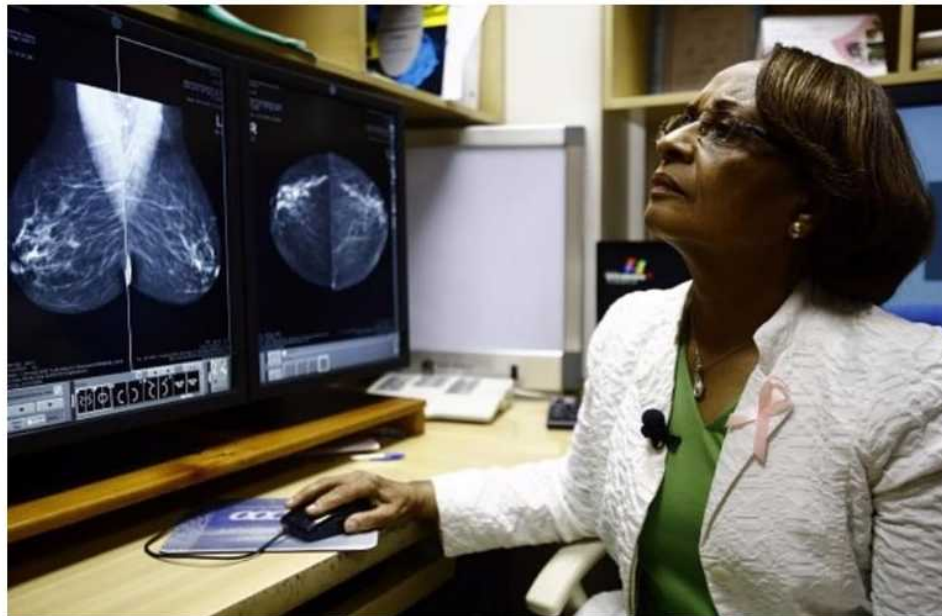
Computational psychiatry provides physicians with tools that enable them to make more accurate diagnoses than approaches had been subjective up until that point. In this schizophrenia research, IBM's machine learning algorithms were able to predict the likelihood of patients with schizophrenia.

Artificial Intelligence Is Helping Doctors Find Breast Cancer Risk 30 Times Faster



Janet Burns, CONTRIBUTOR
FULL BIO

Opinions expressed by Forbes Contributors are their own.



Sudanese radiologist Dr Hania Fadl speaks with reporters in 2015 at the Khartoum Breast Care Centre (KBCC), which she opened in 2010 and equipped with screening and anesthetic equipment despite financial advisers' warnings to abandon the project. (Photo credit Ashraf Shazly/AFP/Getty Images)

The mammogram is one of medical science's best tools for detecting breast cancer, but when the typically painful test reveals a potential problem, women frequently undergo breast biopsies for a closer look—a practice that's all too often unnecessary, according to a group of artificial intelligence (AI) researchers, and which doctors may be able to significantly reduce thanks to a little insight from computers.

Announced today, researchers from Houston Methodist have developed AI software that can interpret mammogram results a full 30 times quicker than doctors and with 99 percent accuracy, according to the team's recent study. Published in the journal *Cancer*, the study found that the software was able to intuitively translate patient charts into diagnostic information for human review at top speeds, which

<https://www.ibm.com/blogs/think/2017/07/ai-schizophrenia-research/>

<https://www.forbes.com/sites/janetwburns/2016/08/29/artificial-intelligence-can-help-doctors-assess-breast-cancer-risk-thirty-times-faster/#77b5d1e11b1a>

In Creativity?

Artificial Intelligence

A New AI Can Write Music as Well as a Human Composer

IN BRIEF

- Aiva is an AI composer that creates music for film directors, advertising agencies, and more.
- This brings up the question: Will AI be indistinguishable from the work of a human composer?

ARTIFICIAL INTELLIGENCE AND CREATIVITY

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When we think about AI, we often look at it as a replacement: high-level computation, machine learning. Yet, there is now a new wave of emerging AI, one of which happens to be musical composition.

Aiva Technologies is one of the leading AI music composition. It was founded just last year.

AI Painter

See your photo turned into artwork in seconds!

HOME NEWS TECHNOLOGY SPACE PHYSICS HEALTH EARTH HUMANS LIFE TOPICS EVENTS JOBS

DAILY NEWS 29 June 2017

Artificially intelligent painters invent new styles of art



Art for the AI generation
Art and Artificial Intelligence Laboratory, Rutgers University

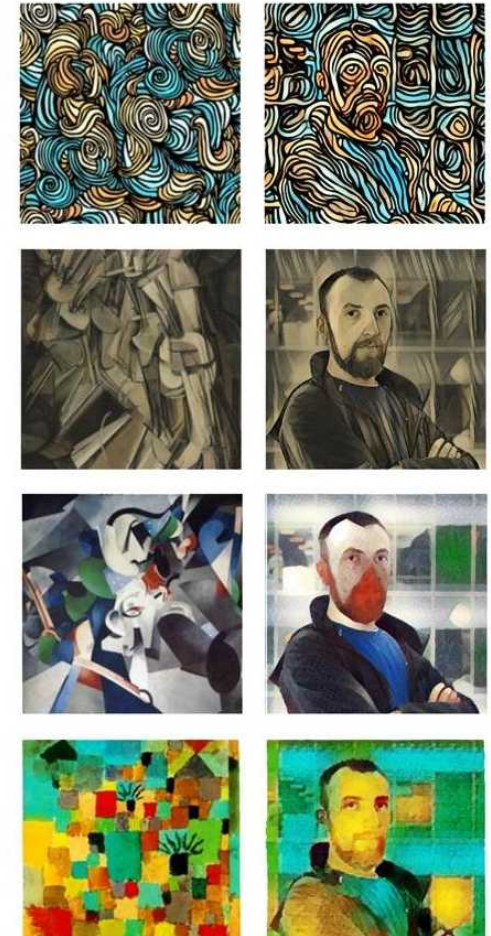
By Chris Baraniuk

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breaking

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für Code und Presentation

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Programmiersprachen

























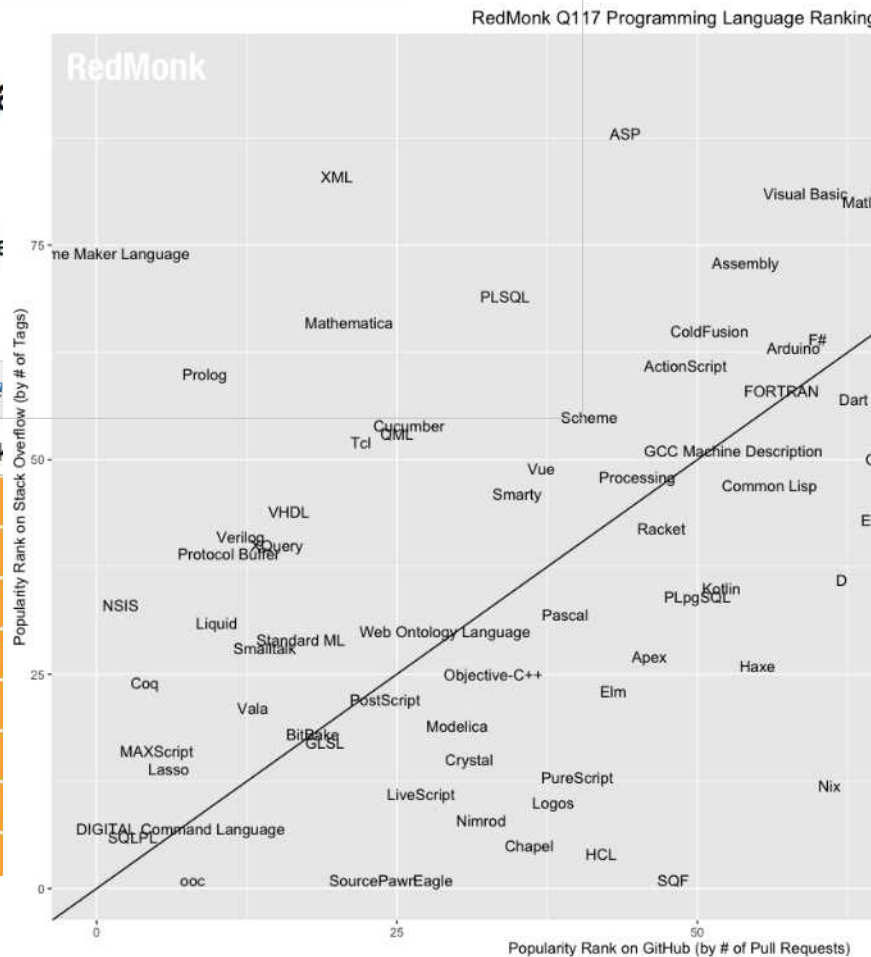
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**Anyone can look cool,
but awesome takes practice**

Coding Session

memecenter.com

Meme

3 Folien Python 4/3



Python

<https://py-tutorial-de.readthedocs.io/de/python-3.3/>

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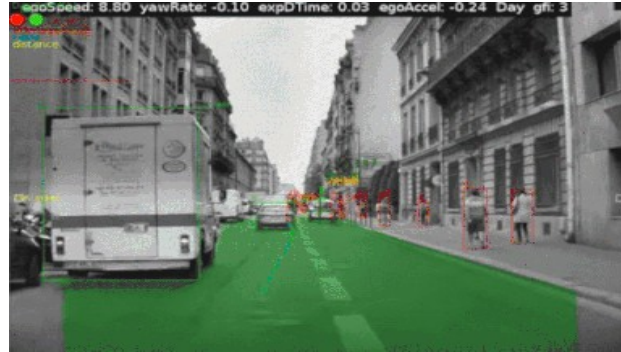
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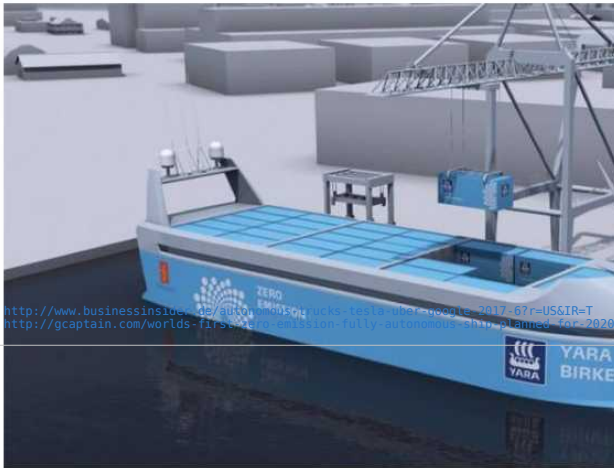
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DEUTSCHLAND

First Zero-Emission, Fully-Autonomous Container Ship Planned for 2020

May 9, 2017 by Mike Schuler



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MUTE | MEMO

Here's how Tesla, Uber, and Google are trying to revolutionize the trucking industry

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Danielle Muoio, Business Insider

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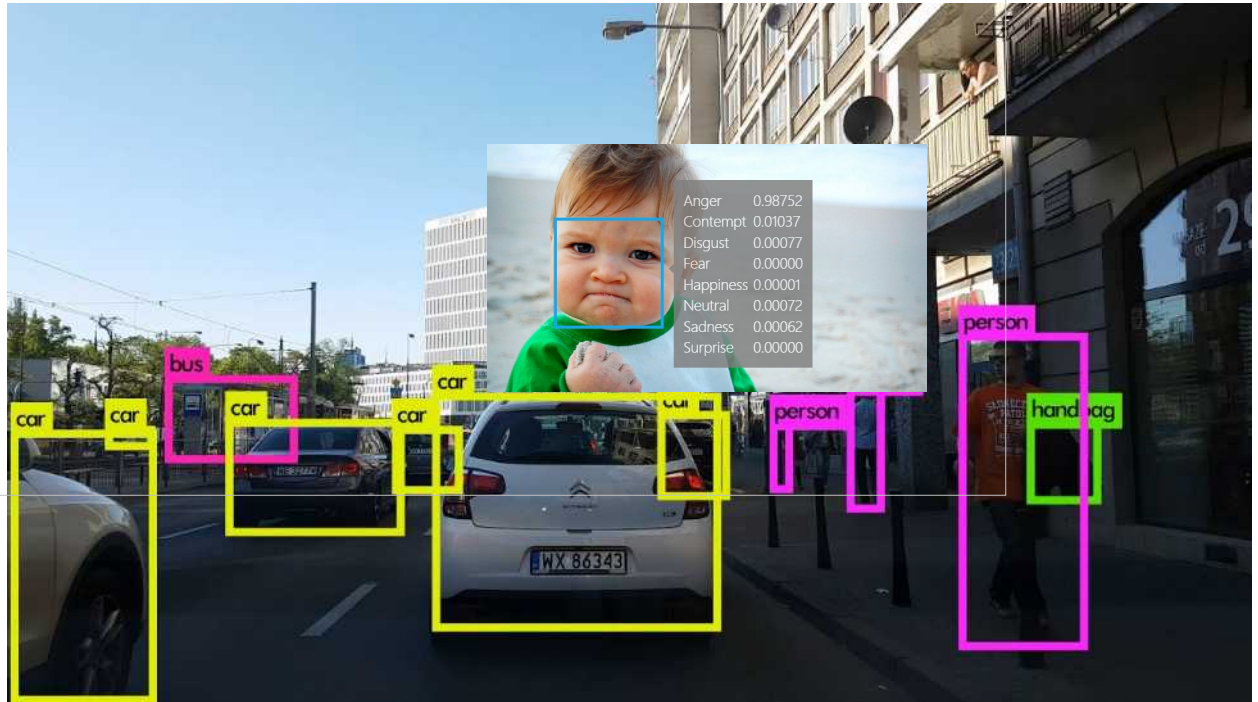
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Tagged: Artificial Intelligence | Machine Learning

Share this post:



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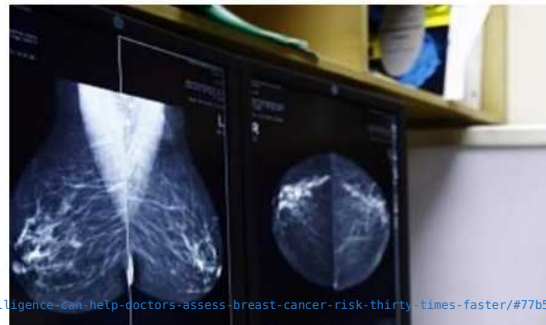
Artificial Intelligence Is Helping



Janet Burns, CONTRIBUTOR

[FULL BIO](#) ✓

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Artificial Intelligence

In Creativity? A New AI Can Write Music as Well as a Human Composer

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<https://www.instagram.com/aiPainter/>
<http://napsi.studio/a-new-ai-can-write-music-as-well-as-a-human-composer/>
[replacing your job?](#)

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