

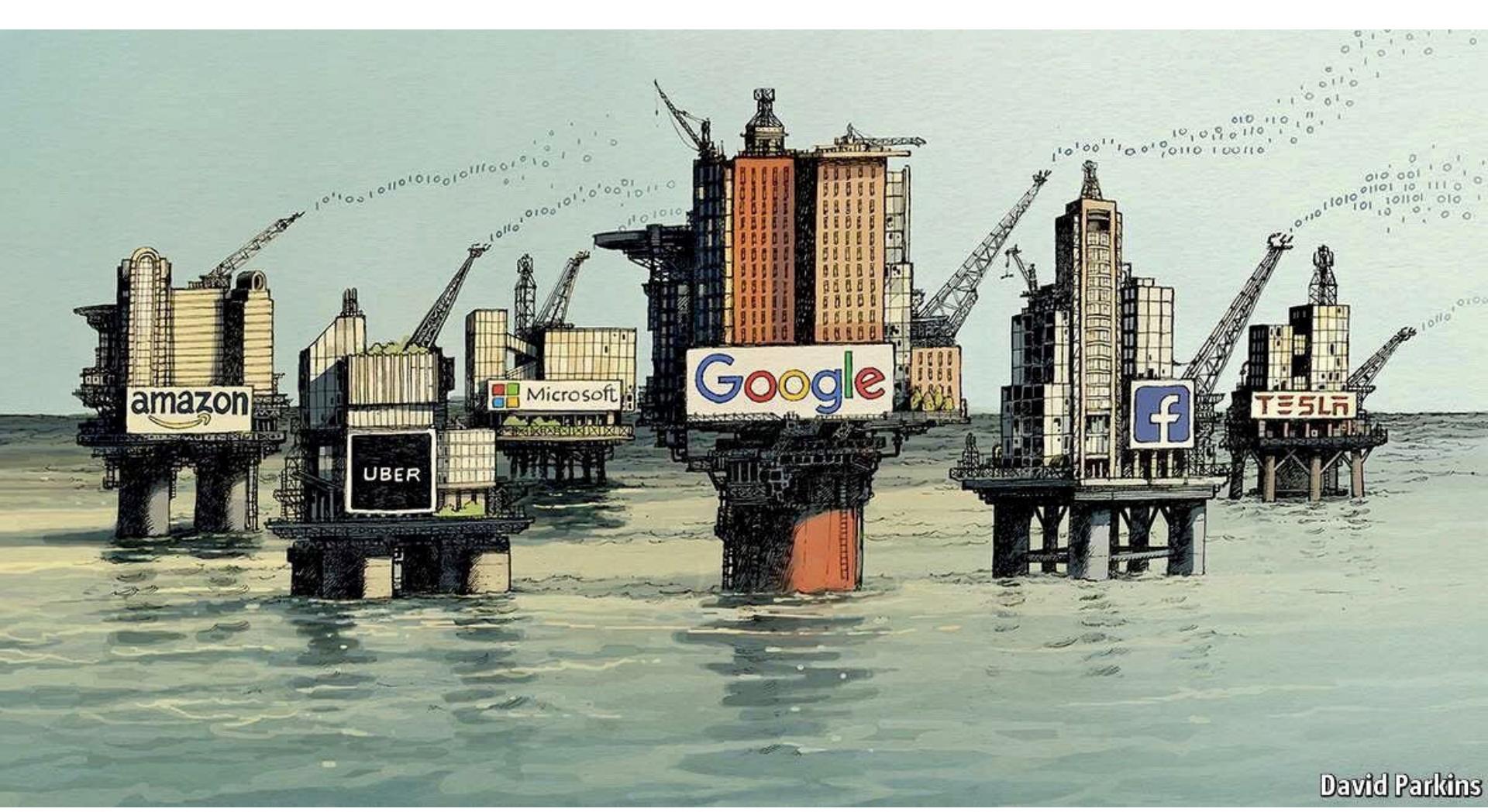
Введение в Анализ Данных

Чесаков Даниил

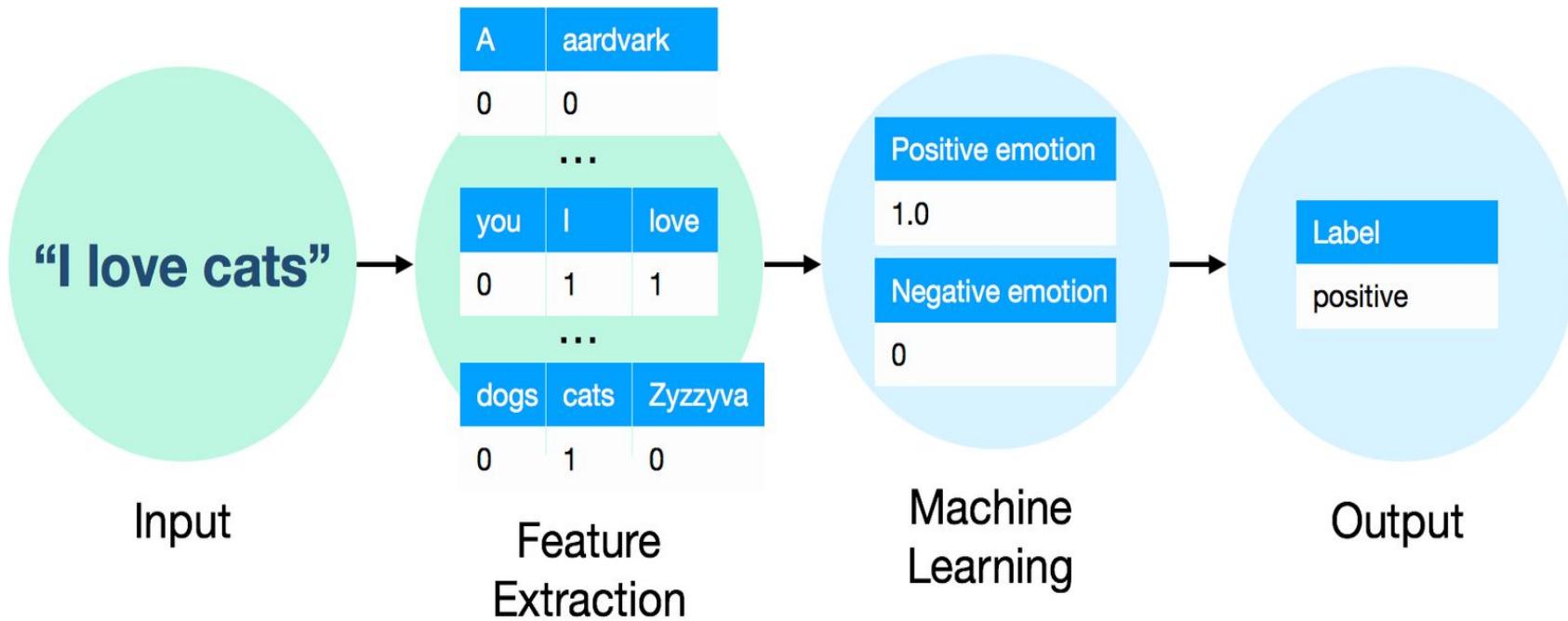
Обо мне

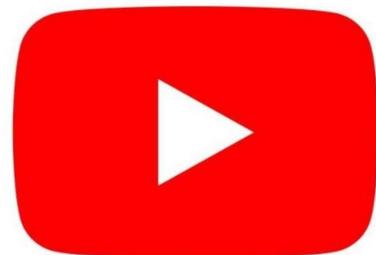
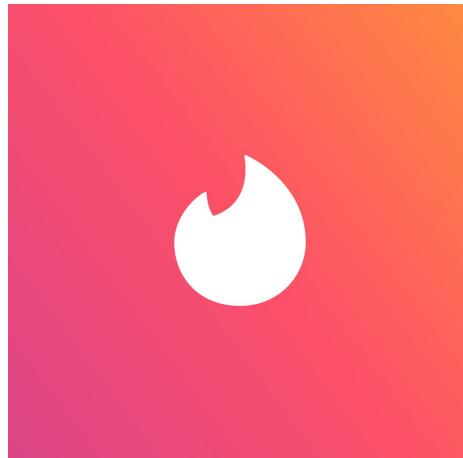
- 2014-2018 – совбак ВШЭ-РЭШ
- 2018-2020 – магистратура
Сколтеха по направлению
DataScience
- ШАД
- 2019 Сбербанк





David Parkins





Кошка или собака?



Чихуахуа или маффин?

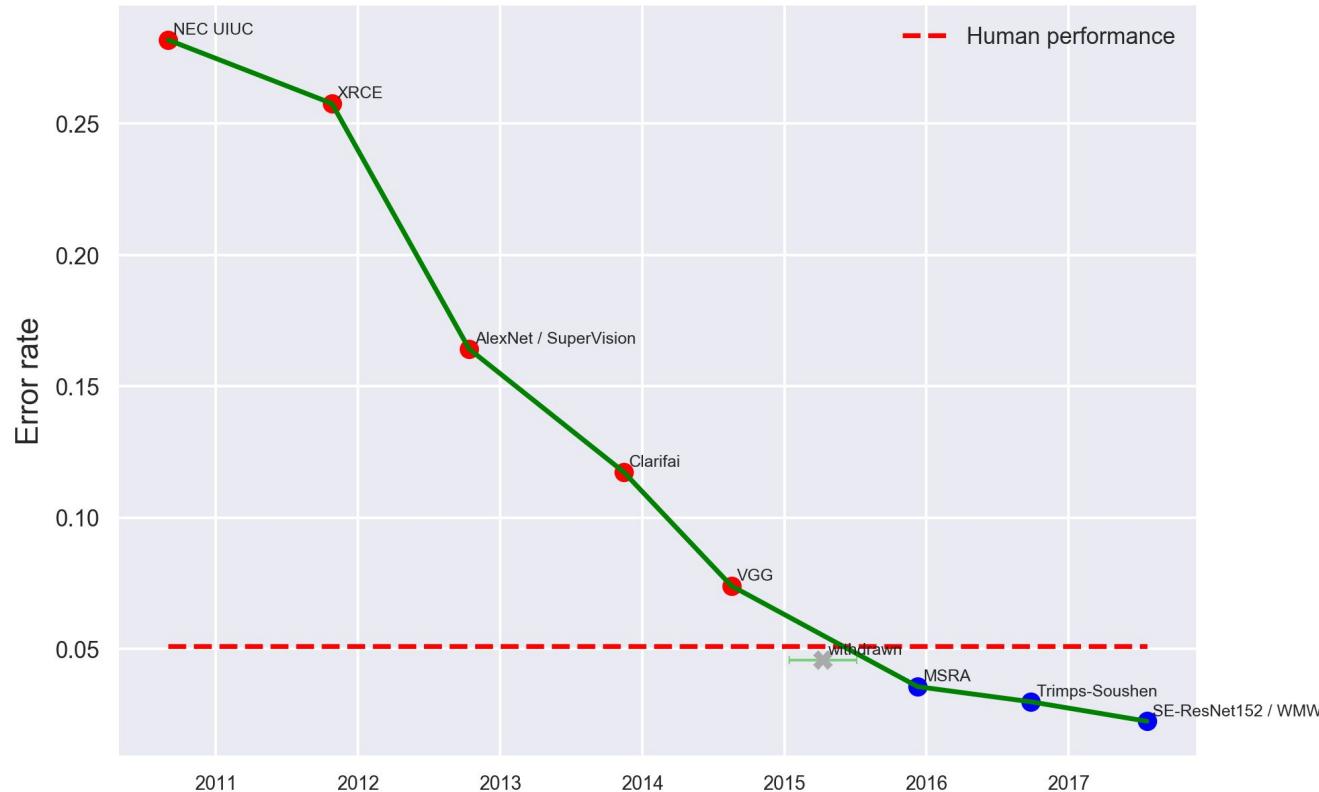


IMAGENET



Распознавание изображений

Imagenet Image Recognition

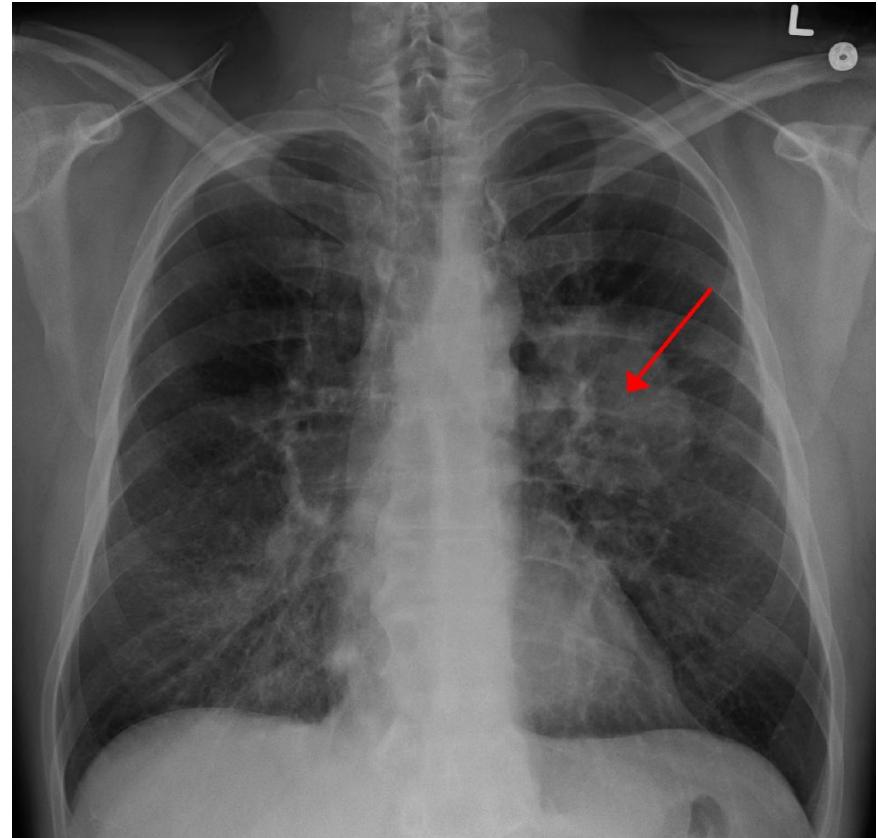


Economic growth has slowed down in recent years .

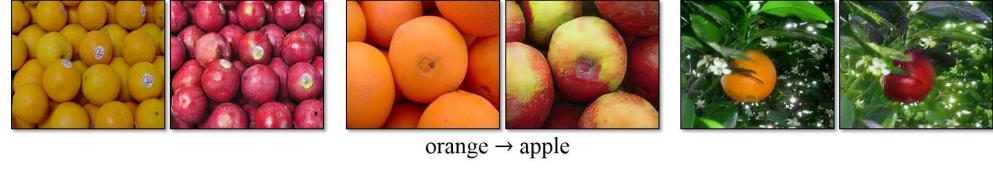
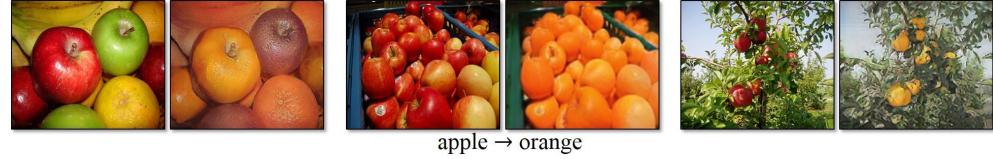
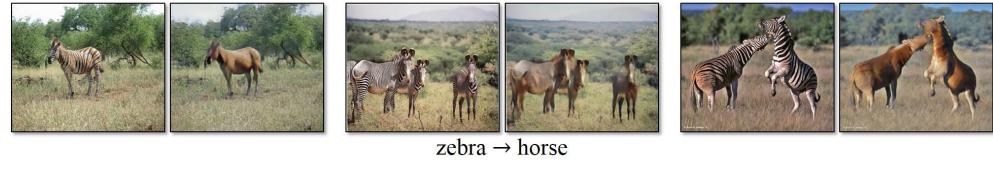
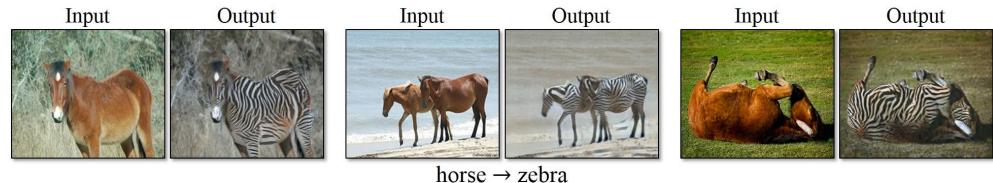
Das Wirtschaftswachstum hat sich in den letzten Jahren verlangsamt .

Economic growth has slowed down in recent years .

La croissance économique s' est ralentie ces dernières années .







Что у них общего?



Что у них общего?

<https://thispersondoesnotexist.com/>



Deep Fake



Featured Code Competition

Deepfake Detection Challenge
Identify videos with facial or voice manipulations

AWS Deepfake Detection Challenge - 1,032 teams - 3 months to go (2 months to go until merger deadline)

\$1,000,000 Prize Money

[Join Competition](#)

Overview

Description

Deepfake techniques, which present realistic AI-generated videos of people doing and saying fictional things, have the potential to have a significant impact on how people determine the legitimacy of information presented online. These content generation and modification technologies may affect the quality of public discourse and the way people interact online. Deepfakes also pose a threat that may be utilized illegally as a source of misinformation, manipulation, harassment, and persuasion. Identifying manipulated media is a technically demanding and rapidly evolving challenge that requires collaborations across the entire tech industry and beyond.

Timeline

AWS, Facebook, Microsoft, the Partnership on AI's Media Integrity Steering Committee, and Academics have come together to build the Deepfake Detection Challenge (DFDC). The goal of the challenge is to spur researchers around the world to build innovative new technologies that can help detect deepfakes and manipulated media.

Prizes

Challenge participants must submit their code into a black box environment where judges will have the option to make their submission open or closed when accepting the prize. Open proposals will be eligible for challenge prizes as long as they abide by the open source licensing terms. Closed proposals will be proprietary and not be eligible to accept the prizes. Regardless of which track is chosen, all submissions will be evaluated in the same way. Results will be shown on the leaderboard.

Code Requirements

The PAI Steering Committee has emphasized the need to ensure that all technical efforts incorporate attention to making the resulting code and products based on it can be made as accessible and useful as possible to key frontline defenders of information quality such as journalists and civic leaders around the world. The DFCC results will be a contribution to this effort and building a robust response to the emergent threat deepfakes pose globally.



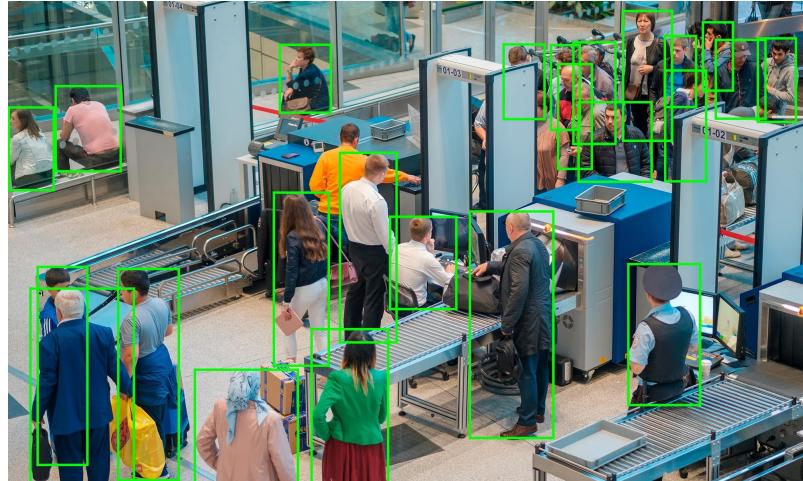
<https://www.facefirst.com/blog/amazing-uses-for-face-recognition-facial-recognition-use-cases/>



<https://ru.wikipedia.org/wiki/FindFace>



<https://www.inkstonenews.com/tech/chinas-facial-recognition-tech-catches-fugitive-jacky-cheung-concert/article/214156>

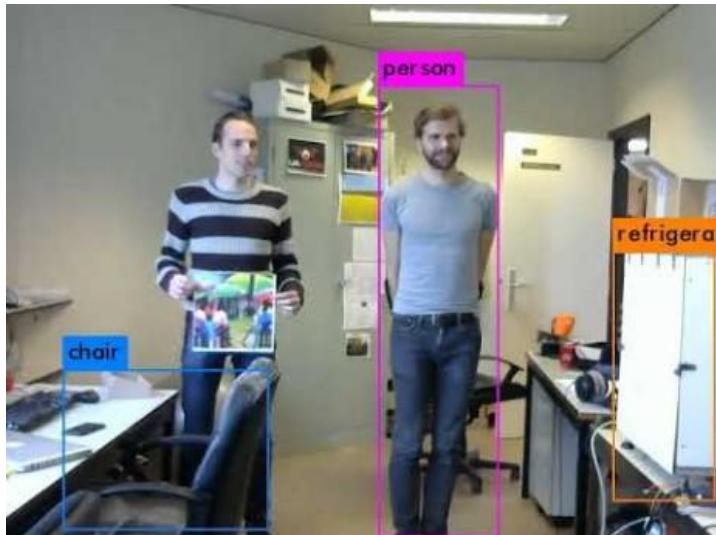
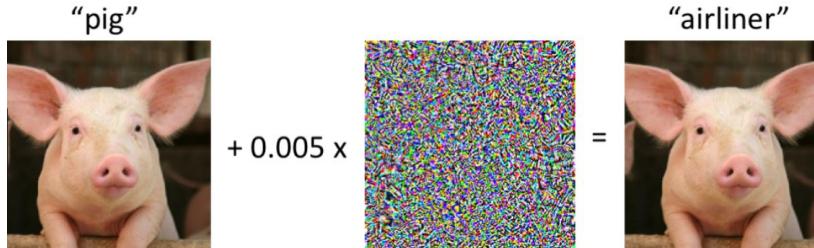


<https://findface.pro/blog/ochertania-budushego-ot-ntechlab-raspoznavanie-siluetov/>



<https://www.cultofmac.com/511205/iphone-xs-face-id-cant-be-fooled-by-identical-twins/>

Adversarial attacks



<https://www.dezeen.com/2019/07/30/ewa-nowak-anti-ai-mask-protects-wearers-from-mass-surveillance/>



A faint, semi-transparent watermark of the Python logo is visible in the background, positioned behind the "python 3" text.

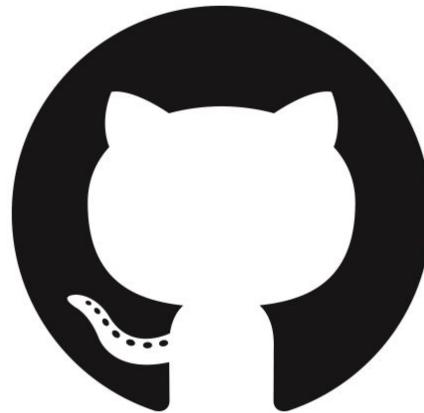
pythonTM
3

<https://www.anaconda.com/distribution/#download-section>

Как связаться?



@dchesakov





Open Data Science

<https://ods.ai/>