

A photograph of a modern library interior, overlaid with a semi-transparent red filter. The scene features several bright orange armchairs arranged in a lounge area. In the background, there are bookshelves, a staircase, and people walking. The lighting is bright, creating strong shadows on the floor. A blue carpet is visible in the bottom right corner.

CNI Fall 2017 Project Briefing: #CNI17F #AILIB

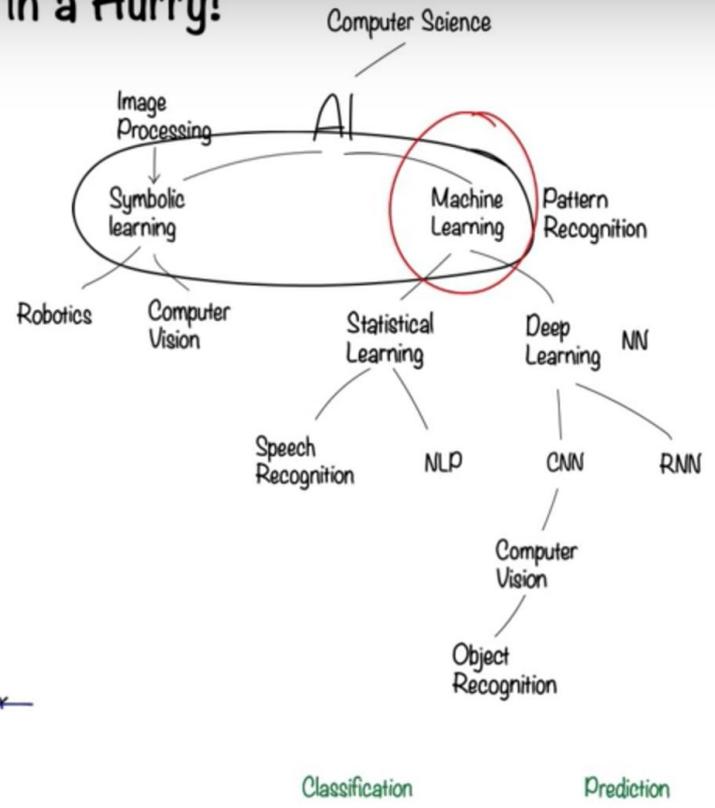
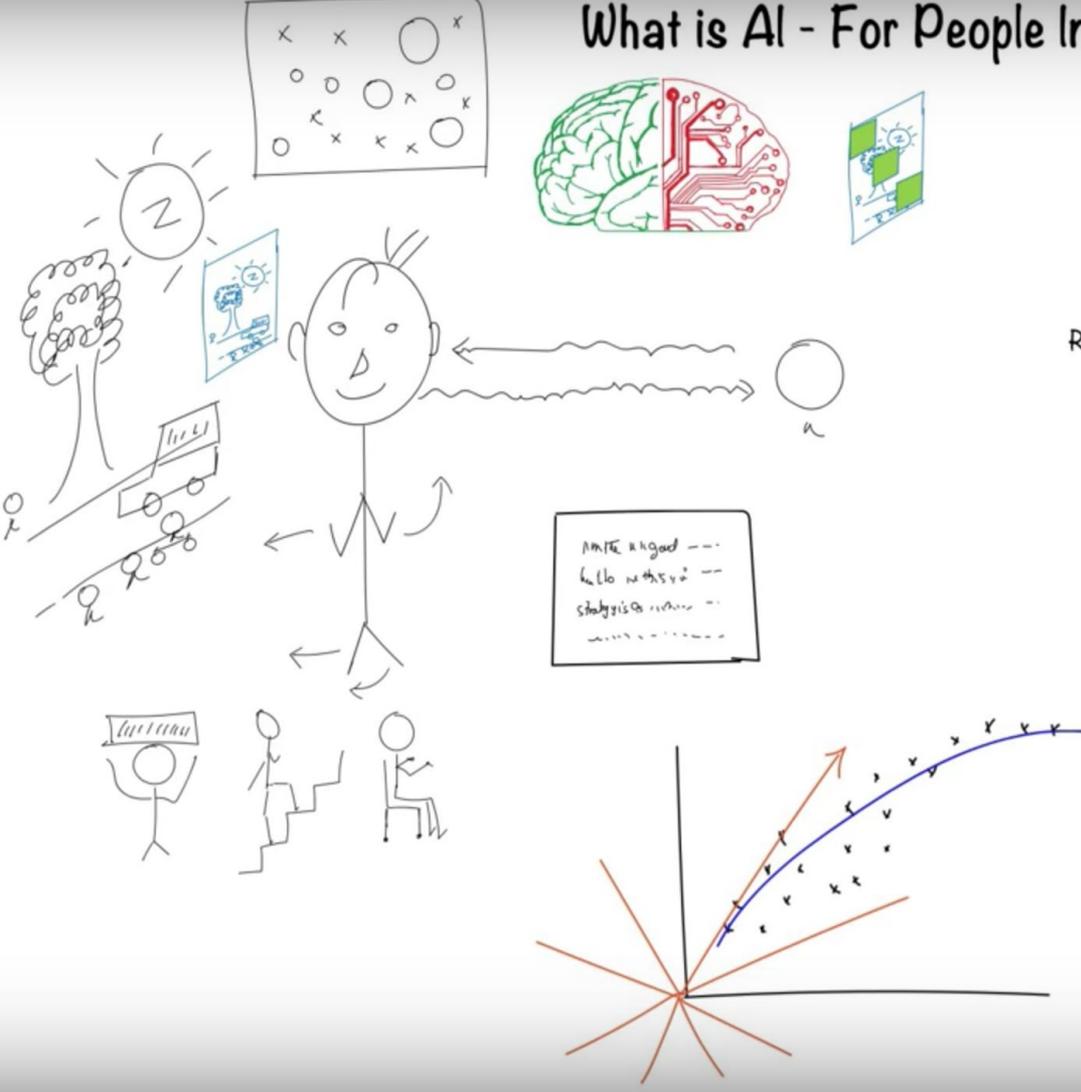
C. Erdmann, NCSU Libraries
@libcce | ccerdman@ncsu.edu

“

*To make computers easily do all
that which comes easy to humans.*

- Monica Anderson

What is AI - For People In a Hurry!



Classification Prediction

dr.ra.j.ramesh@topsigma.com
youtube.com/c/ra.j.ramesh

“

*I propose to consider the question,
'Can machines think?'*

- Alan Turing

Growth of AI:

- High-performance computing power is readily available
- Data to train and fuel AI is more accessible
- Democratization of AI skills
- Proliferation of AI products and solutions

Quick, Draw!

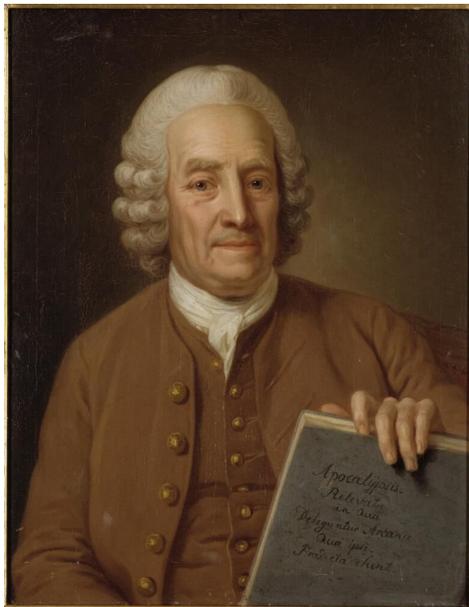
<https://quickdraw.withgoogle.com/> or g.co/aiexperiments



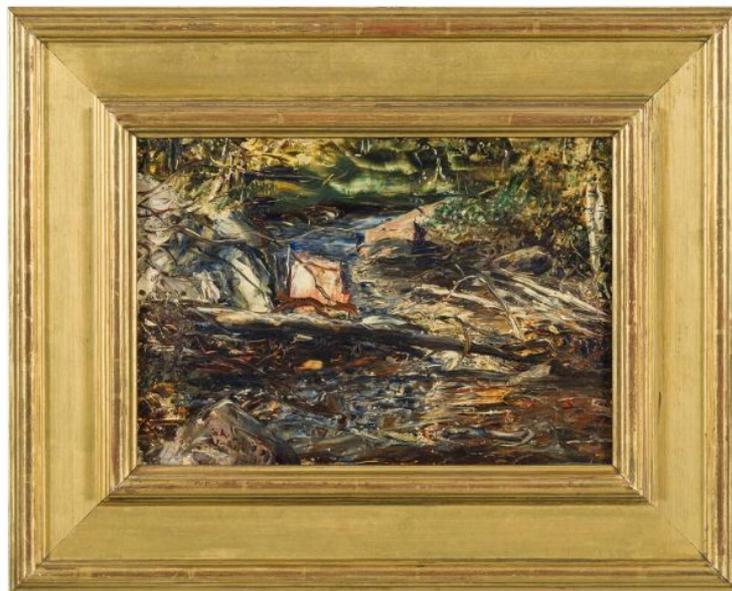
Automated image analysis with IIF

Using Artificial Intelligence for bulk image analysis

<https://blog.cogapp.com/automated-image-analysis-with-iiif-6594ff5b2b32>



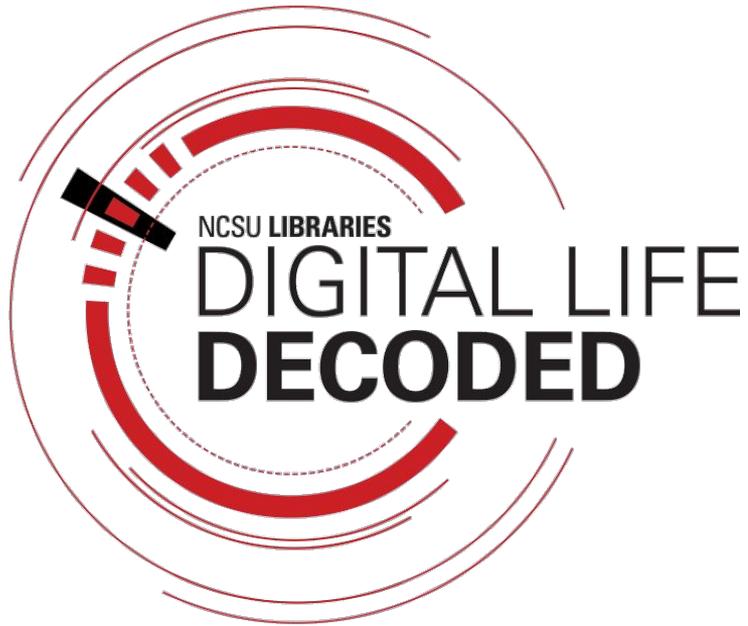
Emanuel Swedenborg
sitting in front of a laptop



A pizza sitting on top of a window

Library Spaces & AI





- **Apply Magic Sauce (University of Cambridge)**
<https://applymagicsauce.com/>
- **Predictive World (Ubisoft)**
<https://predictiveworld.watchdogs.com/en/>
- **Electronic Frontier Privacy Tools**
<https://www.eff.org/issues/privacy>

The Glass Room

<https://theglassroom.org/>



Makerspaces

<https://www.lib.ncsu.edu/services/makerspace>





AIY

Do-it-yourself artificial intelligence

We want to put AI into the maker toolkit, to help you solve real problems that matter to you and your communities. These kits will get you started by adding natural human interaction to your maker projects.

Vision Kit

Build an intelligent camera that can see and recognize objects using TensorFlow

[BUY AND MAKE IT! >](#)



Voice Kit

Build your own natural language recognizer and connect it to the Google Assistant

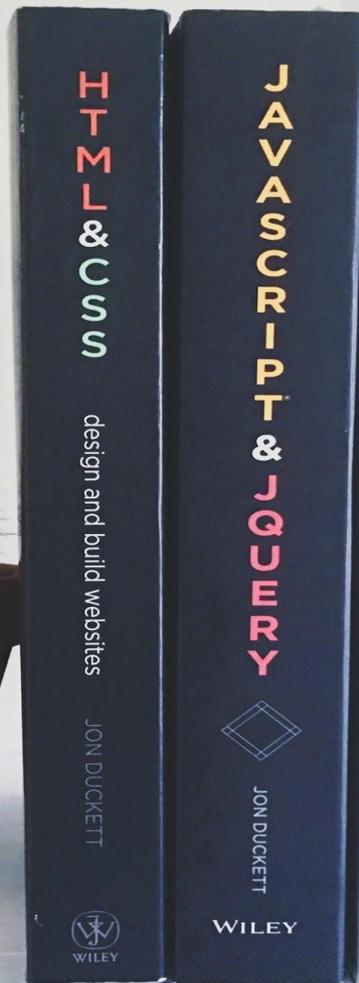
[BUY AND MAKE IT! >](#)





RESEARCH COMPUTING EVENT SERIES

AI, Ethics, Values



SCIENTIFIC
AMERICAN®

The Ethical Minefields of Technology

As we embrace technological innovation, we must also grapple with its implications

By Roger Dennis on October 13, 2017

Fixing the issues requires technology leaders to have a much wider view of the world. The industry doesn't need more programmers, it urgently needs more women, ethicists and philosophers.



Our aim in this course is to teach you how to think critically about the data and models that constitute evidence in the social and natural sciences.

Carl T. Bergstrom and Jevin West

University of Washington



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The banner features a blue background. On the right side, there is a hexagonal icon with a green background and a white border. Inside the icon, there is a 3D visualization of a neural network with an orange sphere in the center and smaller orange spheres connected to it, all resting on a white base. The text "DEEP LEARNING IN PYTHON" is written in white above the icon.



Creating Institutional Change in Data Science

The Moore-Sloan Data Science Environments: New York University, UC Berkeley, and the University of Washington

http://msdse.org/files/Creating_Institutional_Change.pdf

Artificial Intelligence

Newsletter



Laura Norén

@digitalFlaneuse

Following



Number 123 of the Data Science Community newsletter went out last Friday. There's a pdf here if you missed it

**Newsletter - NYU Center for Data Science**

The NYU Data Science newsletter includes data science news, tool & software releases, calls for papers, job postings, and event announcements. Signup here.

cds.nyu.edu

5:59 AM - 23 Oct 2017

2 Likes



2



Roya Pakzad

@RoyaPak

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I'm announcing my newsletter, Humane-AI in this new blog post: [royapakzad.co/announcing-the ...](https://royapakzad.co/announcing-the-...) Subscribe if you are interested in the ethics of AI.



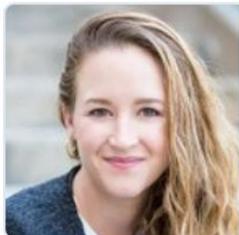
12:01 PM - 22 Oct 2017

Pinned Tweet



Terah Lyons @terahlyons · Oct 19

Personal news: I'm thrilled to join @PartnershipAI as the first Exec Director. Looking forward to building the team!



Partnership on AI Announces Executive Director Te...

We are thrilled to announce Terah Lyons as the Founding Executive Director of the Partnership on AI (PAI). Terah joins us from the Mozilla Foundation, where she was ... partnershiponai.org

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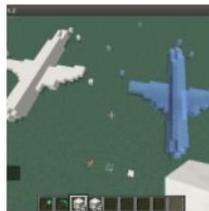
70

293



Lynn Cherny @arnicas · 22h

I keep saying we should teach the Minecraft API :)



$\forall x,y \mid (x=\text{mark_riedl} \wedge y=\text{NIPS2017}) \rightarrow \neg \text{at}(x,y)$ @mark_rie
A GAN building an airplane in Minecraft. Blue is imagined target. White is actual construction. Work by one of my MS students.

1

2

21



#NIPS2017

Or

#NIPS17



Kate Crawford 📍 @katecrawford · Dec 5

Hello Long Beach! I'll be talking about bias in ML at #NIPS2017 - in this Van Halen-sized stadium 🙌



Thanks!!

Any questions?

You can find me at

@libcce or ccerdman@ncsu.edu

Credits

