

Please let us ([Laura Norén](#), [Brad Stenger](#)) know if you have something to add to the newsletter. We are grateful for financial support from the Academic Data Science Alliance.

**Yoshua Bengio** is joining a growing group of scientists who are concerned about the climate impact of conferences, including the one he is organizing in Addis Ababa. He is in the midst of a **personal revelation**, and has a petition asking conferences to allow remote presentations [here](#). I had already committed to join the **JupyterCon** organizing committee as the climate chair. What I intend to do is calculate the climate impact of the entire conference - air travel, catering, waste streams, sponsor swag, the compute power to train models, etc. I'll be taking suggestions and sharing progress as I go. Perhaps rethinking the scientific conference is the biggest change we can achieve in the next 2 years. There's no time to waste on tradition.

Also: thank you for bearing with us during this bureaucratically imposed hiatus. It is unlikely to happen again for at least 12 months.

-Laura

## DATA SCIENCE NEWS

### University Data Science News

At long last, the **Facebook** URL data — "38 million URLs shared worldwide more than 100 times publicly on Facebook (between 1/1/2017 and 7/31/2019)" — is **finally available!** It's in **Social Science One**, the project **Gary King** and **Nathaniel Persily** have been working on. Getting access to this data was supposed to take 2 months. It took 20. Why? "Most of the last twenty months has involved negotiating with Facebook over their increasingly conservative views of privacy and the law, trying to get different groups within the company on the same page, and watching Facebook build an information security and data privacy infrastructure adequate to share data with academics." Read the whole post. It's all about the politics of sharing, politics we will continue to run into as a community by collaborating with and through shared data.

**UC Berkeley** has completed the bureaucratic process of forming a new division for data science by **christening it with a new name**: The **Berkeley Division of Computing, Data Science, and Society**.

**Penn State** has a new **Center for Socially Responsible AI**. All research activities must "consider social and ethical implications as well as intended and possible unintended consequences." This should already be the status quo, but it isn't, so I applaud Penn State.

The **University of Illinois at Urbana-Champaign** has installed **six sets of sensors at intersections around town** to capture data about air quality, traffic, and noise levels. These sensors are designed

to collect specific types of data, which follows one of the privacy principles I like most: take only what you need. If they had installed cameras instead, they could end up taking both much more data than they intended (e.g. facial recognition isn't necessary for traffic monitoring, but could be enabled on camera data either at the time of collection or later) and much less than they intended (cameras cannot measure air quality).

Speaking of sensors in the environment, a new **Carnegie Mellon University** app [scans for all internet-of-things devices in range](#), displays what they are, and reveals what kind of data they may be gathering. Chipping away at covert pervasive surveillance, one app at a time.

Another **Carnegie Mellon CyLab** project worth mentioning, especially since we skipped Valentines day: [romantic couples are sharing passwords](#) in security-compromising ways. In a survey of 195 participants, 39% were sharing passwords to banking, insurance, or utilities accounts while only 7% shared passwords to their **Facebook**, **Twitter** or email accounts. Kids these days and their social media priorities.

Continuing the thread on pervasive surveillance, **U.S. Customs and Border Patrol** is attempting to utilize biometric recognition systems like iris scans and facial recognition to identify all incoming travelers to the US, including citizens returning home. Among the concerns this practice raises, **Stanford University** researchers found that [the iris scanning technology is riddled with inaccuracies](#) (TL;DR, it doesn't work). The contractor that built the code and hardware refuses to share enough information to improve accuracy because the technology is proprietary. CBP has now decided to adopt facial recognition technology instead. I invite you to use your ethical imaginations to puzzle through what could go wrong here.

**Columbia University's Data Science Institute**, in conjunction with the **Northeast Big Data Hub**, is working to offer [data science education at the K-12 level](#). Copy them. Please copy them. **University of Michigan's Barbara Ericson** [looked at 2019 AP computer science test data](#). Few students take the CS exams; women are particularly unlikely to take it; "Only 9 states had more than 10 Black Women...only 14 states had more than 10 Hispanic Women pass the AP CSA exam."

**Northeastern University** researchers took a look and found that **YouTube's content moderation practices are not politically biased**. Associate Professor **Christo Wilson** said, "YouTube appears to just be enforcing their policies against hate speech." This is particularly notable because **Mark Zuckerberg** was making a speech demanding that ["global technology platforms answer to someone," and his proposed redress is "regulation \[to\] hold companies accountable when they make mistakes,"](#). Zuckerberg, YouTube has figured it out. **Twitter** refuses to accept political ads to avoid a big chunk of problematic content. Get your act together over there at **Facebook** and figure out content moderation that works.

**Jonathan Deeks** at the **University of Birmingham** tested apps that use AI to predict whether a mole is cancerous. Deeks is not impressed. Apps like **SkinVision** may [miss 10% of melanomas](#) (the most deadly), report false positives, and do a poor job of revealing their weaknesses.

**The University of Chicago** is in the midst of a struggle between graduate students, who have **formed a union** and are trying to collectively bargain for their first contract, and the U of C administration, which has used some interesting anti-union tactics. Following from the history of graduate student organizing and counter-organizing efforts, the first argument is generally about whether or not graduate students are workers. Graduate students say that they are workers because they teach classes and perform research. The administration generally counters that when graduate students teach or do research they are actually *learning how to teach* and *learning how to do research*, thus are not workers, thus cannot organize a labor union. This part of the fight already happened at the U of C — the students prevailed amongst themselves and voted to form a union. Teaching is labor. However, the U of C administration in the School of Humanities did a "sneaky" thing: they **retroactively changed the transcripts of graduate students** to include a pedagogy course for every semester the student actively taught. Neither the students (example: **Emily Smith**) who supposedly took these courses nor the faculty members who ostensibly evaluated students for these courses had any knowledge of the courses. They appear to have been inserted to make it appear that the U of C is actively involved in teaching graduate students how to teach and has been for years. When students inquired (and tweeted) about the unannounced changes to their transcripts, **Shea Wolfe**, Dean of the Division of Humanities, emailed the entire Division to announce the removal of the courses. No explanation was offered. However, a tip from a reader pointed me to a long article describing **an overhaul to the way U of C deals with graduate students** at the cohort level. In 2016, the school had started offering stipends (\$31k plus benefits) to all graduate students for as long as it took them to graduate. Now graduate students will still get their funding for as long as it takes, BUT their departments will be held to a one-out, one-in admissions policy. A student must finish or drop out in order for another student to be admitted. And "mentored teaching experiences" will be replacing the teaching requirement though no details were offered to explain how "mentored teaching experiences" would be different than current teaching expectations except that they *look* like they are less like work and more like learning. The U of C graduate students in the union referred to this overhaul as a "blatant attempt at union-busting by the university."

**University of California-Santa Cruz** graduate students **organized a wildcat teaching strike** last week because their demands for an increase to their stipend (approximately \$20,000 annually) have been ignored. The strike nearly turned violent when on-campus police ran into a non-violent crowd of protesters and supporters waving their batons. An undergrad who had come to offer water to protesters was "roughed up" and subsequently suspended. The Interim Provost **Lori Kletzer** told graduate students that "participation in the strike will lead to consequences up to and including dismissal from employment" which has been **seconded** by UC Chancellor **Janet Napolitano** because wildcat strikes are "unauthorized and violate the terms of the collective bargaining agreement." UCSC graduate student **Mariam Taleb** reported that **200 graduate assistants have received letters of termination** as of February 15 [unconfirmed]. Just yesterday, the UCSC Academic Senate **passed a resolution supporting higher wages for grad students** and a withdrawal of sanctions and arrests. Let's see what Napolitano has to say about that.

In another major academic labor action: Academic faculty and staff are unionized in the UK and have

organized [a massive strike](#): 55,000 **University and College Union** (UCU) members in universities from Brighton to Edinburgh to London and Reading have started 14 days of strike action on Monday, February 17. They are protesting paltry wages and the "casualization" of academic labor.

What does this have to do with data science? Scientists are people. Science and scientific institutions must serve the people AND the science.

If you are a North American PhD student experiencing mental health challenges, there is an ongoing research study looking for [survey](#) takers.

If you're a tech worker, this [burnout index assessment](#) is designed for you.

### Company Data Science News

**John Deere** and **Apple** aren't usually discussed in the same article, but they both make expensive pieces of equipment prone to failure. Farmers are [turning to hackers to get access to the codes](#) and building open source communities while Apple has been forced to allow small repair shops access to their source code by law...but [Apple put such ridiculous terms in their contracts](#) that few small repair shops have taken the plunge. Companies are using repair networks to push back against [right to repair legislation](#) that would give consumers the right to repair their own devices by forcing companies to make manuals, special tools, and anything else that an authorized repair shop would have available to consumers.

Where there's sharing of source code, sharing of data is rarely far behind. Speaking of **Apple** and sharing data, the **CommonHealth** data sharing app for individual health data is taking what Apple is trying to do with Apple Health Records to a completely different level. The Commons Project will [centralize patients' electronic health records on their mobile devices](#) — Android or Apple — in an open source fashion, synced with medical care providers, and will incorporate the perspective of tech builders, health care providers, and patients. CommonHealth is avoiding some of the tension in the previous item's firmware control battle by aiming to be an open public service, not a proprietary product feature.

**PBS Frontline** recently broadcast a two hour documentary on **Amazon** and company founder and CEO, **Jeff Bezos**. Producers took a full year to report on the company's 25-year history, investigating how Bezos "executed a plan to build one of the most influential economic and cultural forces in the world." [Watch the doc online](#) or spend less time to [read the summary](#) posted at **Geekwire**.

Probably unrelated, **Jeff Bezos** announced on **Instagram** that [he will make \\$10 billion available to study and mitigate climate change](#). Perhaps he can start by studying the carbon footprint of one-day shipping on "nearly everything." Indisputably, he has access to the most relevant dataset. The project will be called Bezos Earth Fund (BEF). In my opinion he really missed an opportunity to call it Jeff's Earth Fixit Fund (JEFF). Talk about doing it for the 'gram. That is no longer cool, by the way, unless you are a billionaire. If you are a billionaire, whatever you do is cool by definition. Yay, America!

## Government Data Science News

The **House Subcommittee on Economic and Consumer Policy** has requested that **Amazon** turn over documents and information about **Ring's** partnerships with local law enforcement. The subcommittee is "examining traditional constitutional protections against surveilling Americans and the balancing of civil liberties and security interests." This is evidence of government working on behalf of the people. Let's see if the subcommittee feels emboldened to make similar requests of **Clearview AI**, a company that has reportedly **licensed face search facial recognition technology to 600 law enforcement agencies**. The Subcommittee is chaired by **Raja Krishnamoorthi** (D-IL) with ten other congressmen and -women including two members of "the squad": **Rashida Tlaib** (D-MI) and **Ayanna Pressley** (D-MA).

Over at **Betsy DeVos's Department of Education**, the pressure is ratcheting up on the top 50-ish U.S. universities that receive substantial foreign research funding. They are being **asked to report every dollar coming from foreign sources**, which goes far beyond any specific regulation or past practice. The focus is on money coming from **China** and **Qatar** or from Chinese companies **Huawei** and **ZTE**.

**President Trump's** budget calls for \$33.4 million for the **"orderly closure" of the National Endowment for the Humanities**. That said, the NEH's FY 2020 budget is \$162.25 million, the largest it has been since 2010 though still tiny compared to the NIH \$41.46 billion or the NSF's \$7.1 billion.

The **National Science Foundation** is committing \$75 million, which is a lot, but less than half of the \$163 million the **Department of Defense** is putting up to continue studying the Higgs boson, hunt for dark matter, and identify any other new particles or interactions between particles that may turn up. As you can imagine, there are some hardware costs associated with the Large Hadron Collider. Data science and data management also play starring, costly roles. **Physics. Bringing new orders of magnitude to "all the datazzz"**.

**DARPA** will be **fully cloud by 2022** using **AWS** and cloud-based apps like **Box** and **Okta**.

In Brussels, the **European Union** revealed its draft economic development plans for artificial intelligence (in the parts of the continent it oversees). **Overseas media attention** focused more on the plan and its vision — encouraging innovators to develop AI for citizens who feel confident using it. **U.S. media highlighted the increased regulation**, in contrast to U.S and China governments' policies.

## Extra Extra

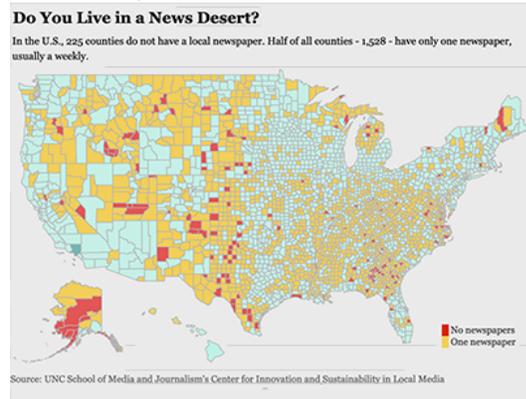
This was bound to happen: Some **diapers now contain RFID chips** to notify caregivers when they are wet.

A "splatometer" windshield bug counting experiment finds that **there were half as many bugs in**

**Europe in 2019 as there were in 2004.** Without insects, our ecological balance will collapse. Pesticides, climate change, and light pollution are to blame.

## Data Visualization of the Week

University of North Carolina, Hussman School of Journalism and Media, Penny Muse Abernathy from October 15, 2018



## Tweet of the Week

Twitter, Axis II of Evil from February 18, 2020

**Axis II of Evil** @joannathemad89

Scientists recently placed a 10-piece set of matching Tupperware in a sealed chamber.

When they opened it a month later, the chamber had 24 lids that did not match any of the 6 remaining containers.

7:25 PM · Feb 18, 2020 · [Twitter for Android](#)

3.4K Retweets 15K Likes

**Axis II of Evil** @joannathemad89 · 5h  
Replying to @joannathemad89  
Can someone fully explain to me what (an) SCP is?

2 3 112

**Marian** @refdesfacepalm · Feb 18  
Replying to @joannathemad89  
I got this study through IRB and can confirm the results. I went through 10 months of Unexplained Adverse Events paperwork because of the amount of anxiety this caused to the study team.

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## EVENTS

### UCI to host two-day conference on artificial intelligence

**Irvine, CA** February 21-22. "A two-day conference on "The Future of the Future: The Ethics and Implications of AI." Keynote speaker **Bruce Sterling**, an award-winning science fiction author, and an interdisciplinary and international panel of writers, academics and communicators will tackle an advance in technology that touches our everyday lives: artificial intelligence." [free, rsvp required]

### Observable Community Meetup

**San Francisco, CA** February 25, starting at 5:30 p.m. "Come meet other **Observable** users and hang out with the team. We'll have talks from community members along with show & tell so you can demo what you've been working on!" [rsvp required]

### AI and the Future of Work: How Will the Workforce Be Impacted and How Do We Prepare?

**Washington, DC** February 25, starting at 9:30 a.m., Rayburn House Office Building. "Join **CompTIA** and **INFORMS** for a dynamic panel discussion exploring how AI will reshape society and how industry and government can prepare the workforce for the adoption of artificial intelligence (AI) technologies." [rsvp requested]

### Digital Praxis: The Role of Libraries in the Digital Age

**New York, NY** February 26, starting at 6 p.m., **NYU Bobst Library**. "**Siva Vaidhyathan**, Director of the **Center for Media and Citizenship at the University of Virginia**, joins **Melissa Morrone**, Librarian at **Brooklyn Public Library**, and **Vicky Steeves**, Research Data Management and Reproducibility Librarian at **NYU Libraries**, for a conversation about the role of libraries in the digital age. **Shannon Mattern**, Professor of Anthropology at **The New School**, will moderate." [free, rsvp required]

### AnitaB.org Silicon Valley: Submitting Papers to Grace Hopper Celebration (GHC 20)

**San Francisco, CA** February 27, starting at 6:30 p.m., **Udemy** ([600 Harrison St](#)). Presenter: **Karen Catlin**. [registration required]

### Local to Global Solutions: Fisheries & Aquaculture

**Santa Barbara, CA** February 27, starting at 5:30 p.m. "As we grapple with the challenge of how to eat healthy, support our local economy and protect the planet, choices about what food to eat can be difficult. In celebration of its 25th Anniversary, the **National Center for Ecological Analysis and Synthesis** (NCEAS) presents to you an engaging conversation between two leading marine ecologists that specialize in fisheries and ocean health." [free]

### Designing The 100 Questions NYC

**New York, NY** March 3, starting at 6 p.m., **Reaktor** ([30 West 21st St](#)). "This event, co-organized by The **GovLab** and Reaktor as part of NYC Open Data Week 2020 and inspired by The 100 Questions global initiative (see video below), will begin with a panel of leaders from different sectors reflecting on the need for more question-driven open data delivery." [free, registration required]

### 2020 SUMS conference

**Providence, RI** March 7 at **Brown University** (Kassar-Foxboro Auditorium). "Talks from professors of philosophy, neuroscience, computer science, and of course, mathematics. The idea is to investigate different conceptions of thinking systems across disciplines. In philosophy, we discuss what it means to be a thinking system. In neuroscience, we study how the most successful thinking system ever is built." [free, registration required]

### SIGCSE 2020: A Vision for the Next 50 Years

**Portland, OR** March 11-14. "The SIGCSE Technical Symposium is the largest computing education conference worldwide organized by **ACM Special Interest Group on Computer Science Education** (SIGCSE)." [\$\$\$]

### Harvard Business School Digital Initiative, Summit 2020: brands & the disinformation reality

**Boston, MA** March 24, starting 4:30 p.m. "At Summit 2020 we'll investigate how brands and disinformation shape one another from multiple perspective." [free, registration required]

### **EDBT: 23rd International Conference on Extending Database Technology**

**Copenhagen, Denmark** March 30-April 2. Coincides with ICDT: 23rd International Conference on Database Theory. [\$\$\$]

### **Kaggle Days SF is coming**

**San Francisco, CA** April 7-8 at **Google Cloud Next '20** San Francisco. [\$\$\$]

### **CodeX FutureLaw 2020**

**Stanford, CA** April 9, starting at 8:30 a.m., **Stanford Law School** (Paul Brest Hall). "Our eight annual conference focusing on the way technology is changing the legal profession and the law itself, and the way these changes affect us all." [\$\$\$]

### **Learn Bayesian Data Analysis and Stan with Jonah Gabry**

**New York, NY** April 22-24. "Jonah will be joined by fellow Stan developers **Ben Bales** and **Rob Trangucci**, and other members of the Stan Development Team will make some guest appearances at various times throughout the course." [\$\$\$]

### **WHPC Summit 2020**

**Vancouver, BC, Canada** April 29-May 1, at **Simon Fraser University**. "Building on our success as an internationally recognised organization that is actively addressing gender inclusion in the HPC/AI/Big Data workforce worldwide, the Summit is designed to celebrate the contributions, careers and leadership of women in High Performance Computing," [\$\$\$]

### **BIOMEDevice Boston**

**Boston, MA** May 6-7. "Every spring, 2,200+ industry professionals and 335+ suppliers convene in Boston — home to the nation's highest number of medical device companies — for a two-day event focused on moving medtech design projects to the next stage of development." [\$\$\$]

### **The Knowledge Graph Conference**

**New York, NY** May 6-7 at Columbia University. "Knowledge Graphs form an organized and curated set of facts that provide support for models to help understand the world. This conference gathers technology leaders, researchers, academics, vendors — and most important, practitioners who know the discipline." [\$\$\$]

### **The R Conference | New York**

**New York, NY** May 7-9. [\$\$\$]

### **!!Con 2020**

**New York, NY** May 9-10. "!!Con (pronounced "bang bang con") 2020 is two days of ten-minute talks (with lots of breaks, of course!) to celebrate the joyous, exciting, and surprising moments in computing." [save the date]

### **Ghana Data Science Summit 2020**

**Accra, Ghana** June 17-19 at University of Ghana. "The 2nd Ghana Data Summit 2020 (dubbed IndabaX Ghana) is organized by the **Data Science Network** (a non-profit organization) and **Wave-2 Analytics Ltd.**, a Ghanaian-based analytics startup in partnership with **Deep Learning Indaba**." [application required]

### **StanCon 2020**

**Corvallis, OR** August 11-14 at **Oregon State University**. "The four-day event will be two days of tutorials and two days of talks, open discussions, and statistical modeling." [\$\$\$]

## DEADLINES

### Contests/Award

#### Data science competition: Converting remote sensing into trees

"We running the second in a series of data science competition where multiple groups attempt to use the same remote sensing data from low flying airplanes to infer the locations, sizes and species identities of millions of trees. This kind of collaborative data analysis challenge has proven highly effective in other fields for quickly improving methods for converting image data to useful information. This round of the competition focuses on exploring how methods generalize beyond a single forest." Deadline for submissions is April 1.

### Conferences

#### BigSurv20 - Big Data Meets Survey Science

**Utrecht, Netherlands** November 4-6. Deadline for submissions is February 20.

#### The Analytics Summit

**Nashville, TN** September 21-22. "This two-day Summit alternates between hands-on workshops and speaker presentations, presented by experts from various industries and backgrounds." Application for speaker proposals is open.

#### ACM Collective Intelligence 2020

**Boston, MA, and Copenhagen, Denmark** June 18-19. "Collective Intelligence 2020 explores the impact of technology and big data on the ways in which people come together to communicate, combine knowledge and get work done." Deadline for extended abstracts is March 1.

#### 2020 IEEE/RSJ International Conference on Intelligent Robots and Systems

**Las Vegas, CA** October 25-29. Deadline for paper submissions is March 1.

#### JuliaCon 2020

**Lisbon, Portugal** July 27-31. "We are interested in all topics that have to do with Julia." Deadline for speaker and workshop proposals is March 7.

#### Royal Statistical Society, RSS International Conference

**Bournemouth, England** September 7-10. "Over 600 statisticians and data scientists gather from all sectors and from over 35 countries to share information and network, attracted by a varied programme of talks and workshops." Deadline for submissions is April 5.

#### Call For Papers – ICTIR 2020

**Stavanger, Norway** September 14-18. "The **ACM SIGIR** International Conference on the Theory of Information Retrieval (ICTIR) provides a forum for the presentation and discussion of research related to the foundational aspects of Information Retrieval (IR)." Deadline for full paper submissions is May 11.

#### Call for Papers, 2020 NBER Conference on the Economics of AI

"The **NBER's** Project on the Economics of AI, sponsored by the **Alfred P. Sloan Foundation**, will hold its fourth annual meeting in Toronto on 24-25 September 2020." Deadline for submissions is June 1.

#### Short Paper Call for Participation - IEEE Vis 2020

"IEEE Vis 2020 solicits submissions in a short paper format. Short papers draw from the same paper types and topics as full papers of VAST, Infovis and Scivis, ranging from theoretical to applied

research contributions." Deadline for submissions is June 13.

### **Generative Design in Minecraft - The 2020 Competition is now live!**

"The Settlement Generation Challenge is about writing an algorithm that can create a settlement for a given, unknown Minecraft map. The challenge is to produce an algorithm that is adaptive towards the provided map, creates a settlement that satisfies a range of functional requirements - but also looks good and evokes an interesting narrative. The goal is to basically produce an algorithm that can rival the state of the art of what humans can produce." Deadline for submissions is June 30.

## **Education Opportunities**

### **CCST's Science & Technology Policy Fellowship in Sacramento**

"CCST is seeking PhD scientists and engineers for a year of public service and government leadership training in the California State Legislature AND California State Executive Branch."

Deadline to apply is March 1.

### **Deep Learning for Science School**

**Berkeley, CA** July 20-24, at **Lawrence Berkeley National Laboratory**. "The school brings together researchers and engineers for lectures and tutorials on state-of-the-art deep learning methods and best practices for running deep learning on high performance computing systems. The sessions will cover both theory and practice, with emphasis on the latter. Attendees will gain an understanding of: what deep learning is, what type of problems it is good for, and how to choose, build and train (and deploy) at scale deep learning models for scientific applications." Deadline to apply is March 4.

## **Studies/Surveys**

### **West Big Data Hub Stakeholder Input Survey: Open through March 2020**

"As announced in 2019, each of the four hubs will receive \$4 million over four years in our second phase, for a total investment of \$16 million. This is double the budget for the first round of **Big Data Hubs** awards made in 2015. Be sure to catch up on the latest with these summary articles and links."

Deadline to participate is March

## **RFP**

### **SAGE Concept Grants: Applications open for 2020**

"We are seeking proposals for software tools that will tackle some of the challenges currently facing social scientists and enable more researchers to engage with computational methods." Deadline for applications is February 23.

## **TOOLS & RESOURCES**

### **H2O.ai Academic Program for Professors and Students: Quick Start with Driverless AI and Paperspace**

*R-bloggers, Gregory Kanevsky* from February 11, 2020

"If you are a professor teaching or a student enrolled in machine learning program or non-technical program with a machine learning hands-on lab becoming a member of the **H2O.ai** Academic Program will get you free access to non-commercial use of software license for education and research purposes. Since November 2018 H2O.ai (my employer) made its ground-breaking automated machine learning (AutoML) platform Driverless AI available to academia for free."

## **Teach Yourself Computer Science (a DIY curriculum)**

[reddit.com/r/learnprogramming](https://www.reddit.com/r/learnprogramming) from February 01, 2019

"TL;DR: Study all nine subjects below, in roughly the presented order, using either the suggested textbook or video lecture series, but ideally both. Aim for 100-200 hours of study of each topic, then revisit favorites throughout your career."

## **The state of data quality in 2020**

*O'Reilly Radar, Roger Magoulas and Steve Swoyer* from February 12, 2020

The O'Reilly survey "highlights the increasing attention organizations are giving to data quality and how AI both exacerbates and alleviates data quality issues."

## **Google introduces Colab Pro w/ faster GPUs, more memory, and longer runtimes**

*9to5Google, Abner Li* from February 08, 2020

Colab Pro is an upgrade that provides three primary benefits for \$9.99/month:

Faster GPUs

Longer runtimes

More memory

## **PulseSatellite: A collaboration tool using human-AI interaction to analyse satellite imagery**

*United Nations, Global Pulse* from February 10, 2020

"For the past three years, we, at UN Global Pulse, have been working with UNOSAT to build a software tool that leverages artificial intelligence to identify and count structures from satellite images. From there, we expanded to a web-based toolkit that can be easily adapted to other remote sensing applications and which allows incorporation of models created by other users. Today, we officially launched the toolkit at the AAAI conference on artificial intelligence in New York."

## **31 Ways to Make Your APIs More Secure**

*freeCodeCamp, Fatos Morina* from February 16, 2020

"It is a list with some really helpful tips that you can immediately apply in your APIs."

## **Best practices when sharing your data analysis - Jupyter Notebooks**

*Alexis Perrier* from February 15, 2020

"Here are a few personal tips to make things easier for the poor schmuck / schmuckette who has to read your code."

## **CAREERS**

### **Tenured and tenure track faculty positions**

#### **Faculty position at the rank of Professor (with tenure), Associate Professor (with tenure) or Assistant Professor (tenure-track)**

University of Washington, Department of Biostatistics; Seattle, WA

#### **Faculty Positions in Computer Science**

University of Rochester, Department of Computer Science; Rochester, NY

#### **Two Open-Rank Faculty Positions in Cognitive Science**

Central European University, Department of Cognitive Science; Vienna, Austria

#### **Quantitative Foundation Associate Dean for Academic and Faculty Affairs**

University of Virginia, School of Data Science; Charlottesville, VA

## **Full-time, non-tenured academic positions**

### **Communications Specialist, Center for an Informed Public**

University of Washington, Information School; Seattle, WA

### **Senior Data Scientist**

Stanford University, School of Medicine; Palo Alto, CA

### **Research Officer - Data and AI Ethics**

London School of Economics, Department of Media and Communications; London, England

### **Software Engineer**

California Institute of Technology, Climate Modeling Alliance; Pasadena, CA

### **Research Scientist (Open Rank)**

Columbia University, Data Science Institute; New York, NY

### **Data Library Engineer**

University of California-San Francisco, Data Science CoLab; San Francisco, CA

### **Instructor**

University of Colorado, Department of Information Science; Boulder, CO

### **Science Communication Liaison**

University of California-Santa Barbara, National Center for Ecological Analysis and Synthesis (NCEAS); Santa Barbara, CA

### **Senior Research Data Scientist**

University of California-Davis, DataLab: Data Science & Informatics; Davis, CA

### **Senior Data Analyst**

University of Minnesota, IPUMS; Minneapolis, MN

### **Data Analyst**

University of Minnesota, IPUMS; Minneapolis, MN

## **Postdocs**

### **Offre de post-doctorat**

Paris Artificial Intelligence Research Institute; Paris, France

### **Post-doctoral Research Positions**

National Institutes of Health, NIH Clinical Center, Functional & Applied Biomechanics Section; Bethesda, MD

### **Post Graduate Research Position**

U.S. Army Research Laboratory, Human Research and Engineering Directorate; Aberdeen, Maryland

### **Postdoctoral fellowship (-s)**

Aarhus University, DATALAB – Center for Digital Social Research; Aarhus, Denmark

### **CDS-CEAP Faculty Fellow**

NYU Center for Data Science, NYU Center for Environmental and Animal Protection; New York, NY

## **Full-time positions outside academia**

### **Senior Software Developer**

Medic Mobile; San Francisco, CA

### **Health Scientist Administrator (Scientific Review Officer)**

National Institutes of Health, National Institute of Mental Health; Bethesda, MD

### **Computer Vision and Deep Learning Researcher**

Metrica Sports; Amsterdam, Netherlands

### **Product Manager**

Bowery Farming; New York, NY

### **Technical Assistant to the CEO**

The Allen Institute for Artificial Intelligence; Seattle, WA

### **Chief Innovation Officer**

City Manager of Oklahoma City; Oklahoma City, OK

### **Research Lead - Personalization**

Spotify; London, England

### **Internships and other temporary positions**

#### **Gray Systems Lab: Call for Summer Internships 2020**

Microsoft Azure Data; Madison, WI

#### **Bioinformatics Summer Intern**

Broad Institute, Bayer Precision Cardiovascular Lab; Cambridge, MA

#### **Data Science Intern (Summer)**

AARP; Washington, DC

#### **writer/support intern**

Chartable, Datawrapper; Berlin, Germany

#### **Doctoral Studentship in Gender and AI Applications**

University of Oxford, Oxford Internet Institute; Oxford, England

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