



Data Science Community Newsletter

8 May 2020

Data Science Community Newsletter

Please let us ([Laura Noren, Brad Stenger](#)) know if you have something to add to next week's newsletter. We are grateful for the generous financial support from the [Academic Data Science Alliance](#) and to NYU's Center for Data Science.

Data Science News

University Data Science News

UC Berkeley has [banned the use of non-essential single use plastics](#). This will make a significant impact given the size and reputation of the institution.

Open AI has checked out the AI equivalent of Moore's Law and [found that](#), "since 2012 the amount of compute needed to train a neural net to the same performance on ImageNet classification has been decreasing by a factor of 2 every 16 months." This means algorithmic progress has been faster than "classical hardware efficiency." It's quite promising for edge computing applications which will put more AI tasks in inexpensive devices that don't have heaps of compute capacity.

A new [preprint](#) from [Microsoft Research](#) investigated whether a human-AI team would perform better if the AI were hyper-accurate or if the AI were trained to be more human-like (and less accurate) in its outcome production. Turns out, the human+AI pairs consistently performed a tiny bit better when the AI was slightly less accurate. This lends credibility to the effort to maintain some explainability in AI.

David Lazer and co-authors published [new survey findings](#) that summarize how Americans are feeling about the pandemic, the stay at home orders, their governors, their president, and their family. The vast majority support asking people to stay at home and avoid large gatherings (94%) and a majority would like the stay-at-home to continue until June or later. Every governor had a higher approval rating than [Donald Trump](#). Sixty-three percent of Democrats, forty-one percent of Independents, and only 14% of Republicans think the federal government isn't taking the threat seriously enough. Interestingly, 39% of Republicans think *people* across the country aren't taking the pandemic seriously enough compared to 57% of Democrats. In bad news for sports, concerts, restaurants, flights, and schools, over 90% of the public supports closing them down. Could be quite tough to reopen....

Valentin Fuster, a physician at [Mount Sinai Hospital](#) has [pre-printed a new study](#) that finds support for treating covid patients with blood thinners. Those who were not intubated got better faster (14 days) on blood thinners than their counterparts who didn't receive blood thinners (21 days),

though they were equally likely to die. Those who were intubated had better outcomes; "63 percent of patients who did not receive [blood thinners] died compared with 29 percent who received the treatment." This [Radiolab podcast episode](#) shadows an ER doctor in New York who provides a narrative explanation for how blood thinners came to be the prevalent new treatment for covid patients. It involves an international WhatsApp ER doctor group because crowdsourcing works when everyone shares a goal and a set of baseline assumptions.

A [round-up of six covid forecasting models](#) constructed to predict U.S. fatality rates is at [FiveThirtyEight](#). Currently, the [University of Texas](#) model is looking the most accurate and the least deadly. Meanwhile [Vox](#) author [Kelsey Piper](#) argues that the [University of Washington IHME](#) model's simplicity has [simultaneously led to its political success and epidemiological failure](#). The model is easier to understand than some of the others, but consistently less accurate.

New evidence based on cell phone location tracking finds that [April 7th was the peak stay-at-home day](#) in the [United States](#). Definitely check out these maps that [The Washington Post](#) put together using [SafeGraph's](#) aggregated location data.

A new simulation, [Safe Blues](#), uses mobile phones as proxy "patients" that can be pseudo-infected with various strains of a "virus" when they are close enough to another phone/host to receive a bluetooth signal. The virus strains have been designed with different infectiousness rates, incubation periods, and active infection periods because we still don't quite know how the coronavirus behaves. The experiment will run for 10 days and data on the spread of the various strains will be analyzed. The simulation will help understand differences in the success of viruses given variations in incubation time, infectiousness rates, and active infection windows among actual people who are doing actual activities under current social conditions. Very cool simulation.

[Michael Osterholm](#), head of the [Center for Infectious Disease Research and Policy](#) at the [University of Minnesota](#) notes that the presence of hot spots and safer areas is typically present in the first wave of major pandemic. History has shown that we might not expect this pattern to continue. With the past as our guide, he predicts we could see a [major resurgence in the fall](#) that is bigger and more uniformly widespread than the first wave has been.

[Kathryn Olivarius](#) is an historian at [Stanford](#) who has a forthcoming book called *Immunocapitalism* that focuses on yellow fever's impact on the American South. Olivarius's perspective on the current medico-political moment is [captured in a podcast](#) that provides important historical depth that contrasts the covid response to the responses to other infectious disease outbreaks in America's past. I happen to appreciate that Olivarius provides vivid descriptions of the symptoms associated with yellow fever, but the alarming details may not be for everyone. Olivarius recalls that those who could prove they had immunity to yellow fever became particularly important low wage laborers while those without immunity were blocked as employees, slaves, marital partners and, even, loan recipients. To avoid becoming complete social pariahs, lower income uninfected people tried to get infected by jumping into deathbeds or consuming vomit. Listen to the historians, please, before settling on what you think about new proposals for "immunity passports"

in **Germany**, **Italy**, **Chile**, and **Britain**.

Speaking of history, a [2014 paper](#) by **Nick Bloom** of **Stanford** and three coauthors found that call center employees in China who were randomly assigned to work from home had a 13% boost in performance. They placed more calls and got through them a little faster. They also reported being happier. The only detractor was that they were perceived by managers to be less effective — of course the data did not support these perceptions. Upon learning the findings, the firm decided to let employees choose whether to work from home or office. Half of employees chose to WFH at which point performance improvements jumped further to 22%. Now, not all jobs are call center jobs, but to quote a tech CEO with whom I'm in touch: "this covid episode has advanced the acceptance of remote working by a decade."

Can professors work from home? A dispatch from the front line (#AcademicTwitter) suggest that the right question may be: can professors work at all? **Keisha Blain** of **Harvard** is reporting that some [tenured professors are being fired](#). Their entire departments have been shuttered. Please be clear: Dr. Blain is not suggesting that this is happening at Harvard and she noted that her purpose in raising the issue was to encourage tenured faculty to find solidarity with contingent faculty, not to tell the stories of anyone who has lost their tenured position for them.

The **University of Akron** in **Ohio** has announced [it will restructure the university from 11 schools to 5 schools](#) by regrouping departments in order to save the administrative overhead associated with the entities that were made redundant. Through this move, along with a 20% cut to athletics, and an across-the-board salary cut for faculty, the University of Akron will avoid cutting departments and degree programs. But other universities won't be able to undertake such dramatic organizational restrukturings. They'll find it easier to lop off entire departments, usually those with a shorter tenure in the university-system and smaller pipeline of incoming grants, like area studies programs.

A [2019 study](#) out of **UCLA** by **Cassie Mogilner Holmes** and **Adam Eric Greenberg** about the emotional burden of carrying specific types of debt found that student loan debt leads more than half of graduates to doubt whether the cost of education was worth the gain. Many, many studies have objectively shown a significant financial return to education, typically on the order of 10X over the course of a lifetime. The perceptions of these respondents are objectively wrong but they are subjectively consistent across graduates. Alumni with student loan debt perceive it as "debt" more than car loans, more than mortgages, and even more than credit card debt. In other words, student loan debt subjectively "carries the incessant cognitive and emotional burden of being indebted" which may also hold certain freshmen back from fall 2020 attendance.

Moving to another discipline with an opinion on the pandemic response, Nobel prize winning economist **Paul Romer** has weighed in on what to do next. He proposes [testing everyone in America every 14 days](#), quarantining anyone who tests positive, and thereby creating conditions to let the economy function. The key to the "conditions" we need to have is trust that we won't get sick if we're going about our lives. He notes that the **St. Louis Federal Reserve** research team estimates

that we could be headed for 30% unemployment, worse than the Great Depression. However, this contradicts David Lazer's [current survey data](#) that suggested only 20% have been laid off (as of April 26th). Obviously, jobless claims could grow to reach the 30% threshold. Or not. Decisions taken now matter a great deal.

McKinsey has [published an enrollment action plan](#) that's remarkably detailed, explaining just exactly how they would recommend universities approach fall 2020 enrollment goals. Many schools are tuition dependent and cannot perform effectively if they lose 20% of incoming students. That's right, 20% of next year's freshmen have reported they may just sit out a year and start in fall 2021. In order to avoid that fate, McKinsey recommends forming a cross-departmental enrollment working group that uses all available data to target the most likely attendees personally, and that meets daily, holding each other accountable for outcomes. There are tasks for *all* faculty and current students, too. Enrollment is everyone's job now, at least according to McKinsey consultants who would typically charge quite a bit for this kind of thing.

Speaking of tactics a consultant might tell a university to undertake, **University of California-San Diego** has [launched an online data science masters degree](#).

Looks like the **University of California-Santa Cruz** has [returned to the project of disciplining graduate students for strike actions](#) that started late last year. **Roxy Davis**, who was fired for striking (and later reinstated), reports she has been denied any future opportunities to teach, which has her concerned about being able to complete her PhD.

Company Data Science News

Alphabet has announced it will [discontinue its major smart city project in Toronto](#). The project has been underway for over two years and would have turned part of Toronto into a Google-y sensor-laden, camera-heavy planned mixed-use community with heated sidewalks. The project was controversial, but that's not what has ultimately disbanded it. The explanation offered was the "unprecedented economic uncertainty" due to COVID-19.

Do you come from a land down under? The country's Covidsafe app has been downloaded by 5.1 million Australians! But it's [only working properly on Android phones](#). On iPhones, the app works if it is running in the foreground *and* the phone is unlocked, but it should work even if it's in the background and the phone's in semi-sleep mode. Developers are planning to push an upgrade in three weeks and hope to integrate the new **Google/Apple** contact tracing framework. Australia's federal government is taking a leap in adopting the Google/Apple option ahead of other countries; now the entire country is learning about beta launches.

In an only-in-big-tech moment **Googlers** working from home were told that they are not allowed to expense food ordered to their homes even if they are sharing meals with colleagues over Zoom; they cannot take budgets that would have been spent on conferences and repurpose it to pay for fitness classes or direct it to their favorite charities. At least at Google, employees miss the copious perks they had at the office and may be eager to return. The company, however, is [looking for belt-](#)

tightening options as their core ads business is taking a hit in Q2.

In a terrifying turn of events for civil libertarians, **Clearview AI**, the facial recognition startup that allegedly based its training model on data obtained from **OKCupid** profiles (without consent), has partnered with law enforcement in some states to **track people who have tested positive for covid**. Notably, if these people — or any people — decide to wear facial masks, they will likely thwart Clearview AI's capacity to complete the facial matching accurately. This story is basically an angry face turning into a face palm. Any municipality that spends money on this technology will likely be unable to use it because: masks!! But they will open themselves up to costly law suits. ::rolls eyes::

Facebook has announced the first 20 appointees to its oversight board. **These 20 people** will have the power to overrule **Zuck** and they are *serious* players. They're mostly quite senior with legal and activist backgrounds from a bunch of different countries and crises. They all look like they could singlehandedly dismantle Zuck with or without **Sandberg** at his side. Not your typical corporate board. Much, much more complex and possibly far superior.

Roche has **released a more accurate antibody test for covid** that is reportedly "100% accurate at detecting coronavirus antibodies and 99.8% accurate at ruling out the presence of those antibodies." I don't trust anything that reports perfect 100% accuracy, but the new test is an improvement over previous tests.

Tim Bray, Vice President and Distinguished Engineer at **Amazon Web Services**, the dominant cloud services provider, has **resigned his position in disgust** at the way Amazon fired whistleblowers in the company who were fighting for climate action and for safer warehouse working conditions during covid. Bray's position, in a nutshell: "Amazon is exceptionally well-managed and has demonstrated great skill at spotting opportunities and building repeatable processes for exploiting them. It has a corresponding lack of vision about the human costs of the relentless growth and accumulation of wealth and power. [...] Firing whistleblowers isn't just a side-effect of macroeconomic forces, nor is it intrinsic to the function of free markets. It's evidence of a vein of toxicity running through the company culture.[...] At the end of the day, it's all about power balances." Ain't that always the truth. In order to understand the vastness of Jeff Bezos's wealth, please click through to this **visualization** shared by fellow reader **Dan Larremore**.

TikTok is **being sued** under **Illinois'** Biometric Privacy law. Two minors allege that they were not informed that their face prints would be taken as a result of using the app. Facial images, when used to uniquely identify a person, are considered biometric data in Illinois (and in the E.U.) so these two minors may have a case. Facial recognition may be where the line is drawn on data ethics in the U.S., and suits like this will go a long ways to establish case law that makes it clear what will and won't be allowed, not only for facial recognition, but also for consenting procedures.

Government Data Science News

The **National Institute of Allergy and infectious Diseases** and **University of Pittsburgh** covid serology study is **accepting volunteers**. We included this study three weeks back, but it's showing

up again because lots of people missed it. The research team has moved into the next stage of the study, screening volunteers for suitability. You can participate if (1.) you have not had COVID-19, (2.) you live in the US, (3.) you are not a minor, and (4.) you are willing to collect a blood sample from home. The study will hopefully be able to quantify how many people have developed covid, even if they were unable to obtain a test or had no symptoms.

The Royal Society produced a comprehensive report [Face Masks for the General Public](#) that went in-depth on public mask-wearing and the spread of coronavirus. The report [was submitted](#) to the **U.K. Government's Scientific Advisory Group on Emergencies** (SAGE). The report emphasizes that home-made cloth masks are effective at preventing the spread of respiratory droplets and that the public must understand that masks are worn to protect others, not the wearer.

Cities and states are beating up gig economy companies like **Lyft** and **Uber** who are being sued for misclassifying drivers in **California**. [California's suit](#) alleges that drivers should have been considered regular employees for whom payroll taxes should have been paid. If the state wins, they would be owed hundreds of millions of dollars which could be used to support unemployment claims. Meanwhile food delivery apps are facing [delivery fee caps](#) in **Baltimore, Boston, Washington D.C., San Francisco, Chicago, New York City and Los Angeles**. The DC Council capped fees at 15% as part of its emergency covid response plan: "to help eateries turn profits on those sales." Speculating wildly, there may be consolidation in the gig economy as a result of financial pressures facing these companies.

Though not a gig economy company, exactly, **Airbnb** has [laid off one-quarter of its employees](#).

One odd civic casualty during the coronavirus declaration of emergency has been [the suspension of public records requests](#) in **Hawaii, San Diego** and several other jurisdictions. This could limit journalists and even some data scientists who rely on public records to investigate the devils hidden in the details.

The National Academy of Sciences [elected 120 new members and 26 \(non-voting\) international members](#). There are a bunch of familiar names on the list, which is to be expected for such a serious achievement. **NYU's Gerard Ben Arous** made the list, as did **Vint Cerf of Google**.

FOIA win. The **FCC** will have to [fork over](#) the IP addresses, user-agent strings, and time stamps of all 22 million comments left on the FCC's website in the lead-up to the decision about net neutrality. Given the scale of the comments, it is assumed that a bot or series of bots was involved. Expect a forthcoming piece from *The New York Times* who made the records request.

Extra Extra

Sixty percent of Americans [don't think](#) location tracking with cell phones would make much of a difference in fighting the spread of covid, according to **Pew Research Center**. Preliminary results from **Elissa Redmiles'** survey suggest "people will [tolerate up to 10% false positives](#)." The low expectations risk setting a too-low bar for making usable contact tracing apps.

We're not finishing on another bummer. The consistently entertaining **Carnegie Mellon** robotics professor **Chris Atkeson** [provides color commentary](#) on Hollywood's depiction of robots.

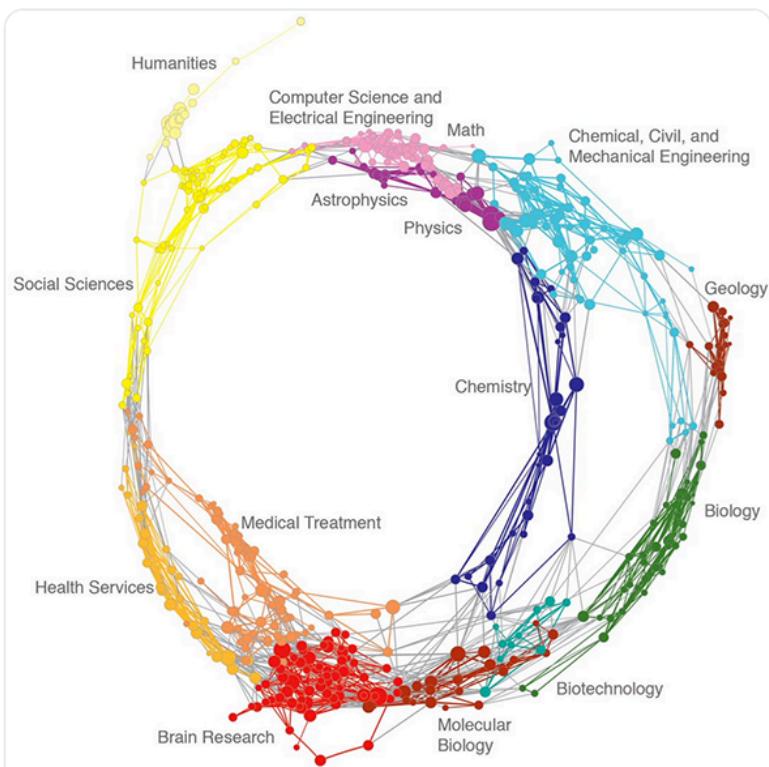
Data Visualization of the Week: Maybe the missing center is....data science???



Robin Hanson

@robinhanson

It still amazes me that academic fields, connected by co-citation, are arranged in a ring. Is there a missing "dark field" in the middle that we will find someday to connect it all together well?



Börner, Katy. *Atlas of Science: Visualizing What We Know*. (2010). The MIT Press. Pg 13.

[Twitter](#), Robin Hanson from March 23, 2018

Tweet of the Week

Christine Slaughter and benjamin aldes wurgaf liked

 **Erin Bartram**
@erin_bartram

Real honestly wouldn't just be telling potential PhD students about the difficulty of getting a stable faculty position, it would be telling them that the PhD would make it significantly more difficult to get many non-academic jobs on the other side.

5:44 AM · May 6, 2020 · [Twitter Web App](#)

39 Retweets 400 Likes

 **Erin Bartram** @erin_bartram · 4h
Replying to @erin_bartram

Just in case we crawl out of this crater we've created for ourselves, it would be great to keep this in mind.

And no, I will not be entertaining opposing arguments based on that one advisee of yours who got a job at Google.

Twitter, Erin Bartram from May 06, 2020

EVENTS

[Stanford SystemX Seminar 5/11: Maysam Chamanzar - Carnegie Mellon University](#)

Online May 11, starting at 4:30 p.m. PDT.

[One HealthTech OHT Week](#)

Online May 11-16. "A week of both fun and informative online activities for the healthtech community, including coffee mornings, webinars, Tweetchats, virtual panels, yoga and much much more!"

[CNBC to Host Virtual Healthy Returns Summit](#)

Online May 12, starting at 12 p.m. EDT. "The conference will convene leading medical technologists, entrepreneurs, executives and investors from the biotech, pharma, and life sciences industries to discuss how the most innovative companies and top experts are addressing the novel coronavirus crisis, as well as how they are looking forward at the lasting impacts on the health care industry." [registration required]

[Boston Data Science Meetup - CoronaWhy: Fighting Coronavirus with NLP](#)

Online May 12, starting at 5 p.m. EDT. "This month we have two guests from **CoronaWhy**, an international group of volunteers using data science to help the medical community better understand COVID-19." [rsvp required]

Xcelerating Life Sciences Boston: An online biotech conference

Online May 13, starting at 1 p.m. EDT. The conference "will look at what's already been accomplished and how to handle the hurdles that lie ahead for this shift in focus toward digital health. Discover how you can be part of this growing community, how your past successes can be applied to the evolving market, and what resources in your backyard you can utilize." [\$\$\$]

Berkeley Conversations - COVID-19: Tracking, data privacy and getting the numbers right

Online May 13, starting at 10 a.m. PDT. "As plans for re-opening businesses, communities, and schools emerge, mechanisms to track the SARS-COV-2 virus become increasingly critical to consider. In this conversation led by Nobel Laureate **Saul Perlmutter**, Director of the **Berkeley Institute for Data Science** and Professor of Physics, Berkeley faculty will present their recent research findings and data on COVID-19 infection and death rates." [live web broadcast]

Electric Conference on Teaching Statistics - eCOTS 2020

Online May 18-22. "The conference theme is "Engaging Everyone". The conference will include keynote addresses by **Roxy Peck** from **California Polytechnic State University** and **Hillary Parker** from **Stitch Fix**. There will also be thirty-minute breakout sessions, online workshops, and virtual poster sessions." [\$\$]

U.S. Air Force Virtual Quantum Collider

Online June 15, starting at 12 p.m. EDT. "Presentations by government leaders will discuss quantum initiatives and innovations revolutionizing **U.S. Air Force** operations." [free, registration required]

Schedule | SciPy 2020

Online July 6-12. "Recorded SciPy talks will be released each evening throughout the week. We will gather together each day for live tutorials in the morning, a live keynote or plenary session and then Q&A and moderated discussion for each of our tracks and mini-symposia. We rounded out the week with birds of a feather gatherings, lightning talks and networking events. The week concludes with two days of remote developer sprints." [\$\$]

DEADLINES

Contests/Award

Google Research Football League - Tournament

"We are happy to announce the **Google Research** Football competition. This competition challenges you to use GRF, a novel Reinforcement Learning environment, where agents aim to master the world's most popular sport - football." More details coming soon.

Conferences

Future of Synthesis in Ecology Workshop

Santa Barbara, CA September 21-22. "Explore future directions and opportunities for synthesis in ecology and environmental science and help set a research agenda for synthesis ecology in the next

decade." Deadline for applications is May 15.

Education Opportunities

NEON Postdoctoral Fellows

"The Postdoctoral Fellows leverage **NEON** data in collaboration with NEON staff and community contributors to generate scientific outcomes and peer-reviewed publications, while engaging the scientific community in NEON data use and potentially generating new tools to facilitate use of NEON data." Deadline for applications is May 8.

Congressional Digital Service fellowship

"Everyone knows these processes are antiquated, and for years, people inside and outside of Congress have discussed the need for an injection of additional technical expertise to help the institution. The idea has broad and bipartisan political support. The proposal to create a Congressional Digital Service is led by **House Majority Leader Steny Hoyer** (D-MD), and **House Minority Leader Kevin McCarthy** (R-CA)." Deadline to apply is May 10.

The ASAPbio Fellow program

"We are keen to support those with an interest in learning more about preprints and in developing skills to equip you in becoming a resource for your community. If you are interested in a more structured training and support program, then do apply for the **ASAPbio** Fellow program – this is a six-month program structured to provide participants with the tools and skills they need to drive discussions about the productive use of preprints in the life sciences, and to become ASAPbio representatives at their institutions or scientific conferences." Deadline for applications is May 15.

Studies/Surveys

eFinancialCareers Survey: What happens to your finance job after the lockdown?

"Please fill out the form below to sign on yourself or your organization by Monday, May 4."

The GovLab at NYU Tandon invites global community to vote on ten transformative data questions related to gender

"As part of efforts to identify priorities across sectors in which data and data science could make a difference, The **Governance Lab (The GovLab) at the New York University Tandon School of Engineering** has partnered with **Data2X**, the gender data alliance housed at the **United Nations Foundation**, to release ten pressing questions on gender that experts have determined can be answered using data. Members of the public are invited to share their views and vote to help develop a data agenda on gender."

Announcing NISO's Draft Recommended Practice for Reproducibility Badging and Definitions

"The **National Information Standards Organization** (NISO) is seeking comments from the information community on the draft recommended practice, Reproducibility Badging and Definitions.

Following on the landmark **U.S. National Academies of Sciences, Engineering and Medicine** (NASEM) report, Reproducibility in Science, this Recommended Practice, developed by the NISO Taxonomy, Definitions, and Recognition Badging Scheme Working Group, provides a set of recognition standards to be universally deployed across the scholarly publishing output. Comments will be accepted through June 18, 2020."

RFP

Now Accepting Applications for 2020-2021 Magic Grants! Submissions are due May 15

Brown Institute is "delighted to announce its 2020-2021 Magic Grant program. Due to the impacts of COVID-19, the proposal deadline has been extended until May 15, 2020!"

Call for Proposals to Community-Based Archives

"The **Andrew W. Mellon Foundation** invites community-based archives in the United States and its territories to submit applications for its 2020 Call for Proposals to Community-Based Archives." Deadline for applications is July 1.

Tools & Resources

How we approached building Movement Trends with Facebook Data for Good and the Covid-19 Mobility Data Network

Stamen Design, Eric Rodenbeck from April 27, 2020

"The dashboard is a collaboration between **Facebook Data for Good** and the **Covid-19 Mobility Data Network**, a voluntary coalition of researchers and non-profits coordinated by **Direct Relief** and researchers from the **Harvard TH Chan School of Public Health**. ... "The ultimate goal of this data is to help answer key questions related to the pandemic: How well have physical distancing interventions worked? Where do communities need the most support with their distancing efforts? How and when, and how quickly, should we re-open different cities, states and countries?"

Jukebox

OpenAI; Prafulla Dhariwa, IHeewoo Jun, Christine McLeavey Payne from April 30, 2020

"We're introducing Jukebox, a neural net that generates music, including rudimentary singing, as raw audio in a variety of genres and artist styles. We're releasing the model weights and code, along with a tool to explore the generated samples."

Elyra

IBM, GitHub - ElyraAI from April 30, 2020

"Elyra is a set of AI-centric extensions to JupyterLab Notebooks."

Covid19 Data Collection

GitHub - weijiax from March 25, 2020

The purpose of this repository is to document Covid19 related data collections hosted at **Texas Advanced Computing Center**.

Are you thinking of running online studies with children and parents? A group of scientists studying learning, thinking, and development came together to create a website to help connect researchers and families.

Twitter, Hyo Gweon from April 30, 2020

"Post your studies on <http://ChildrenHelpingScience.com!>"

Exploring Bayesian Optimization

Distill, Apoorv Agnihotri and Nipun Batra from May 05, 2020

"In this article, we talk about Bayesian Optimization, a suite of techniques often used to tune hyperparameters. More generally, Bayesian Optimization can be used to optimize any black-box function."

Cut & paste your surroundings to PhotoshopCode

Twitter, Cyril Diagne from May 03, 2020

"The secret sauce here is BASNet (Qin et al, CVPR 2019) for salient object detection and background removal."

"The accuracy and range of this model are stunning and there are many nice use cases so I packaged it as a micro-service / docker image."

Tracking Public Health and Social Measures - A Global Dataset

World Health Organization from April 01, 2020

"A unique collaboration between **WHO**, the **London School of Hygiene and Tropical Medicine**, **ACAPS**, **University of Oxford**, **Global Public Health Intelligence Network**, **U.S. Centers for Disease Control and Prevention** and the **Complexity Science Hub Vienna** has brought these datasets together, using a common taxonomy and structure, into a single, open-content dataset for public use."

CAREERS

Full-time, non-tenured academic positions

Assistant Dean for Marketing and Communications

University of Illinois at Urbana-Champaign, Grainger College of Engineering; Champaign, IL

Associate Dean for Academic Engagement

James Madison University, JMU Libraries; Harrisonburg, VA

Associate Dean for Discovery, Access, and Technology

James Madison University, JMU Libraries; Harrisonburg, VA

Postdocs

Postdoc in Computational Social Science

Northeastern University, Network Science Institute; Boston, MA

Data Science Fellow

Harvard University; Institute for Quantitative Social Science (IQSS) and Harvard Law School's Program in Islamic Law

Open positions

Flatiron Institute, Center for Computational Biology; New York, NY

Postdoc - HCI, emotion recognition, ethics

University of Michigan, School of Information, Andalibi lab; Ann Arbor, MI

Postdoc (2 yr)

University of Copenhagen, Department of Sociology; Copenhagen, Denmark

Post-doctoral Associate

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

Postdoctoral Fellow in Nature and Human Health

University of Vermont, Gund Institute for the Environment; Burlington, VA

Full-time positions outside academia**Data specialist (contract)**

The Washington Post, Advanced Storytelling Lab

Data Analysis Team Manager

Space Telescope Science Institute; Baltimore, MD

Director, Technology

DataKind; Brooklyn, NY

Deputy Director

Department of Agriculture, National Institute of Food and Agriculture; Kansas City, MO

Science Program Officer, Computational Biology

Chan Zuckerberg Initiative; Redwood City, CA

Machine Learning Engineer

Hugging Face; New York, NY, or Paris, France

Senior Clinical Trials Biostatistician

Westat; Rockville, MD

Internships and other temporary positions

Teaching Specialist – Data Science and/or Data Management

University of Minnesota, College of Continuing and Professional Studies; Minneapolis, MN

Technical Writer

Code for Science & Society Inc, OpenRefine; Remote

Scientific Software Developer- Contract Basis

NumFOCUS, SunPy Project; Austin, TX

Software Engineer cBioPortal Intern

Dana-Farber Cancer Institute, Knowledge Systems Group; Boston, MA

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To send us an announcement for the newsletter, please email laura.noren@nyu.edu and brad.stenger@gmail.com. We retain curatorial discretion.

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