



14 December, 2020,
newsletter theme: Last
newsletter of 2020. Yep, I'm going to take a wee break from newsletter publishing on Dec 21 and 28. I will design my online course and work on a proposal, while you lot are quaffing shampoo, shredding gift wrap, gargling Christmas carols, snarfing figgy puddings, placating in-laws, and detoxing hangovers. Have at it!

Dear Grey House team members and loyal quaran-teammates, It's now 290 kookoo days into our absurd team-building exercise.

And Essi's making wreaths to calm herself, and us.

Am I the last person in the whole dang world to find out about the hilarious youtube videos of Olive and Mabel????????? I know Avshalom and I are isolated out here on the farm, but that doesn't mean we have no bloody internet. I am holding you each and every one personally responsible for not telling me about Olive and Mabel, robbing me of hours and hours (well, minutes and minutes) of joy. Here on the Macon Farm, our version of Olive and Mabel is, erm..... a coyote and a fox.



Olive



Mabel

HAPPY NEWS FIRST:

Our Leah was invited to serve as a consulting editor for *Clinical Psychological Science*!!! This is a terrific honour! Can you accept all our manuscripts now, Leah?

Karen's birthday Dec 22. Many happy returns dear Karen! Perhaps you will get one of the new Land Rover Defenders too, like Ben? We ordered it, honest, it's just that deliveries are so, so backlogged this month!



Actually, and I confess this happens every year, Susan has Ben's birthday the 22nd and Karen's the 10th. But in my birthday book, it shows the opposite. Sheesh.



Stephanie Langevin birthday 15th Dec. Crazy Stephanie has decided to move from Montreal down to Durham in the new year. She may be the most optimistic person I ever met. Get ready to give her a warm welcome!

Anyone know of a super-cheerful apartment for rent?



Happy News coming in 2021! A new kind of Oreo cookie will be on the shelves in January, Lady Gaga in pink cookie and green creme. (I wonder, will there ever be Dolly Parton Oreos?)

Also happy, our team members with COVID are well now. Whew!

Research Progress during 2020: Mount Everest has [grown](#) by 86 centimetres. Our research has grown this year as well. Well done yall!

By the numbers:

63 public-engagement activities (podcasts, videos, blogs, public events, major-length feature articles by science journalists, exhibits, etc.). These are just the ones I know about.

40 articles out in 2020, in press, or at R&R stage.

1 book, that got 14 reviews

35 empirical data papers, 5 science essays

23 articles written at Duke, 17 by collaborators elsewhere

16 papers in highest-impact journals (JAMA family, Lancet family, Nature family, Cell family, Psychological Science, PNAS, Am. J Psychiatry, eLife)

4 editorials, out of the 21 2020-published papers

33 articles reported Dunedin data, 28 reported E-Risk data

2 reported NZ-IDI data

19 include multiple data sets

10 articles report brain-imaging data

15 are about aging

14 are about antisocial behaviour or crime

19 are about mental health

12 are about methods

22 concept papers approved and new projects underway

HUGE THANKS to King's College London, who paid for open-access fees for all our publications this year, > £60,000!

NEXT, THE UNHAPPY NEWS, sorry, sorry:

Coronavirus cases doubled in NC this past week. North Carolina's Governor Cooper announced a 10pm -5am curfew, and no buying alcohol after 9pm, until at least 8 January. As **Aaron** ironically quipped, this really eats into our social lives! Seriously, be careful out there everyone.

Wisconsin needs help with COVID so badly they called Temi back.



Dear DSPS Credential Holder,

The shortage of health care staff in Wisconsin has been rising at a steady rate, and the onset of COVID-19 has only fueled this difficult circumstance. Every county in Wisconsin continues to report high levels of COVID-19 daily. This call to action extends to previously licensed providers whose license has lapsed and licensed providers from other states.

Wisconsin needs your help. See how you can rejoin the health care workforce and make a difference caring for our most vulnerable residents. Be a Hero!

For health and long-term care career opportunities, visit jobcenterofwisconsin.com/HealthCare.

Find the latest information about Wisconsin's COVID-19 response on the [DHS COVID-19 webpage](#), and follow @DHSWI on [Facebook](#) and [Twitter](#), and @dhs.wi on [Instagram](#).

A handwritten signature in black ink that reads "Dawn B. Crim".

Dawn B. Crim

Secretary-designee

Our London team members await poor, poor unhappy Brexit:

A country club analogy may help us understand Brexit. Britain is the boisterous ex-member of the EU Club who wants to go on using the pool for free, and wearing shorts – or nothing at all – even though the club insists on Speedos. Brexit reckons the club, with an eye on bar takings, will cave in the end. He drinks a lot and lives next door, but some people on the EU Club membership committee are damned if they're going to cut him a deal that other EU Club members will then also demand. Also, Brexit hasn't ruled out offering cut-price mini-golf in his garden to lure business away from the EU club.

So, there you have it. The British pound is expected to tank next week. Which could be good for Avshalom's budget for his proposal to NICHD to follow up the E-Risk twins. And bad for Temi and Av's UK pension. And bad for goodness knows what else. The only deadline that matters now is 11pm UK time – midnight in Brussels – on New Year's Eve. That is when the transition period legally ends, and British MPs have been told to be available to ratify a deal, or not.

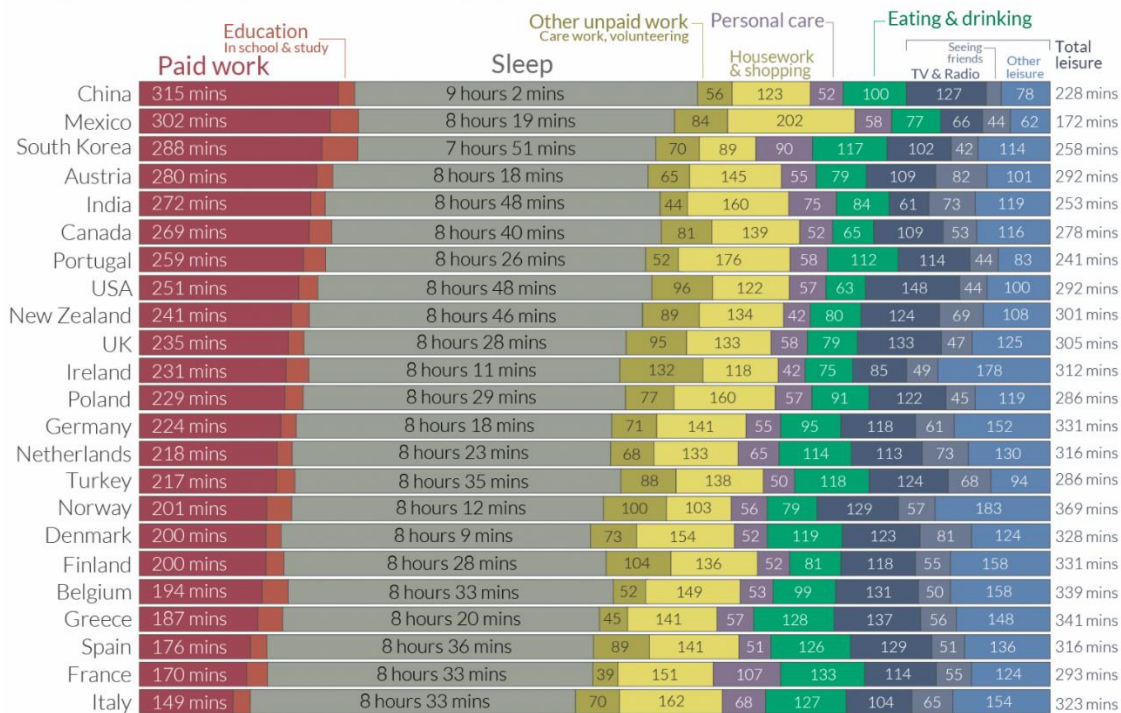
THIS WEEK's Science visualizations:

I know you've been dying to know, how **DO** people spend their time? Obviously, the world over, people spend their time **asleep**. As should we all, in the next 2 weeks. Interesting that Greece, Spain, France and Italy spend the least time working and the most time eating! Superior cultures! But what's with Portugal?

How do people spend their time?

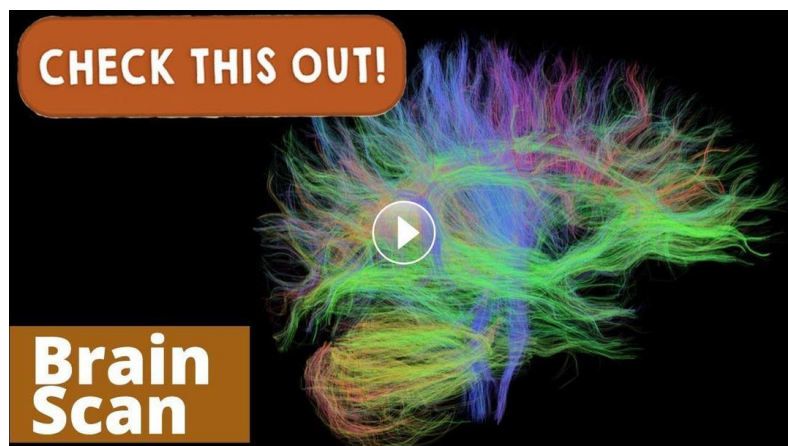
Averages of minutes per day from time-use diaries for people between 15 and 64.

Our World
in Data



Data source: OECD Time Use Database, Gender Data Portal. For most countries surveys were conducted between 2009 and 2016, but surveys for some countries are older.
OurWorldinData.org – Research and data to make progress against the world's largest problems. Licensed under CC-BY by the author Esteban Ortiz-Ospina.

And a nice Science Visualization from Ahmad's group:



RESEARCH-PROJECT PROGRESS SINCE 7 Dec:

YAY! Our Duke team has been awarded a new grant from NIH: R01 AG069939-01 PI: MOFFITT, TERRIE. Please add to your acknowledgements section if substance use is in your paper. This grant brings Madeline Meier back as a paid consultant for her famous cannabis expertise, and will support Annchen, Honalee, Karen, and Renate. Starts 15 December, for 4 years. Madeline and Annchen are already collaborating!

Ben, Honalee, Karen, Renate, and Susan are on vacation until 4 January. Rest up!

Jasmin Wertz's paper is accepted by JAMA-Psychiatry this week: Psychiatric illness as a risk factor for accelerated aging: Evidence from a population-representative longitudinal cohort study. **We are all so proud of this paper!**

Kyle Bourassa's paper is accepted by Clinical Psychological Science " for "Lower Cardiovascular Reactivity is Associated with More Childhood Adversity and Poorer Midlife Health: Replicated Findings from Dunedin and MIDUS". **At least, the editor only wants one more sentence, about IRB review, so I think we are safe saying this is an accept!!!**

Max Elliott submitted his R&R at Nature Aging. "Disparities in the pace of biological aging among midlife adults of the same chronological age: Implications for early frailty risk and policy." **Fingers crossed!**

Joe Murray's paper got an R&R from BMJ Global Health - "Intimate partner violence against women and child maltreatment in a Brazilian birth cohort study." This paper launches our collaboration with the Pelotas Study in Brazil.

Aaron Reuben & Helen Fisher submitted to JAMA-Psychiatry Association of childhood air pollution exposure with the emergence of psychopathology at the transition to adulthood. **Good luck with this one you two!**

Andrea Danese's team submitted to British J of Psychiatry, "Unravelling the contribution of complex trauma to psychopathology and cognitive deficits: a cohort study". **Good luck to Stephanie Lewis, first author!**

Barry Milne submitted to Advances in Life Course Research, "Do socially isolated children become socially isolated adults?" Roy Lay-Yee, Timothy Matthews; Terrie Moffitt; Richie Poulton; Avshalom Caspi; Barry Milne. **Fingers crossed for Barry!**

Christina Carlisi submitted to American J of Psychiatry: "Association of subcortical grey-matter volumes with life-course-persistent antisocial behavior." **Go Christina Go!**

Jasmin is working on an R&R at *Social Science and Medicine*. The vital personality and healthy aging: Replicated life-course evidence about measurement, correlates, and familial transmission. **Almost fed up, but hanging in there.**

Maria Gehred is finishing her R&R from *Biological Psychiatry* due Christmas eve for: Long-term neural embedding of adverse childhood experiences in a population-representative birth cohort followed for five decades. **Amazing first-year project!**

Tracy D'arbeloff's manuscript is out for mock review: Midlife cardiovascular fitness is reflected in the brain's white matter: Potential implications for biomarker development in cognitive decline and dementia intervention research. **Thanks to all doing mocks and to Annchen for stat checks.**

Jorim Tielbeek and JC Barnes, report of Jorim's new GWAS and new polygenic score for antisocial behaviour, Dunedin and E-risk, **going out for mock review soon.**

Projects underway and making good progress toward mock review:

Signe Hald Andersen and Leah Richmond-Rakerd, 3-generations of the concentration of disadvantage and how education breaks the cycle

Annchen Knodt, long-term cannabis use and midlife brain structure

Madeline Meier; cannabis and brain/cognition

Daniel Belsky, Karen, David, Temi, and Avshalom, DunedinPoAm4x

Kyle Bourassa and Line Rasmussen, stressful life events and suPAR

Max Elliott & Line Rasmussen, brain and suPAR

Line Rasmussen, little p and suPAR

Jasmin Wertz, parenting genomics in multiple cohorts

Karen Sugden, education and aging in multiple cohorts

Avshalom and Renate, The p-factor, an empirical evaluation

Jess Agnew-Blase, mother-child polygenic ADHD scores and family chaos

Aaron Reuben, childhood lead and telomere erosion

Aaron Reuben, prospective risk factors for ADRD

Leah Richmond-Rakerd, Stephanie D'Souza, Barry Milne, mental health & ADRD in the NZ IDI

Leah Richmond-Rakerd, Signe Hald Andersen, Stephanie D'Souza, Barry Milne, deaths of despair in the NZ IDI and Danish registers

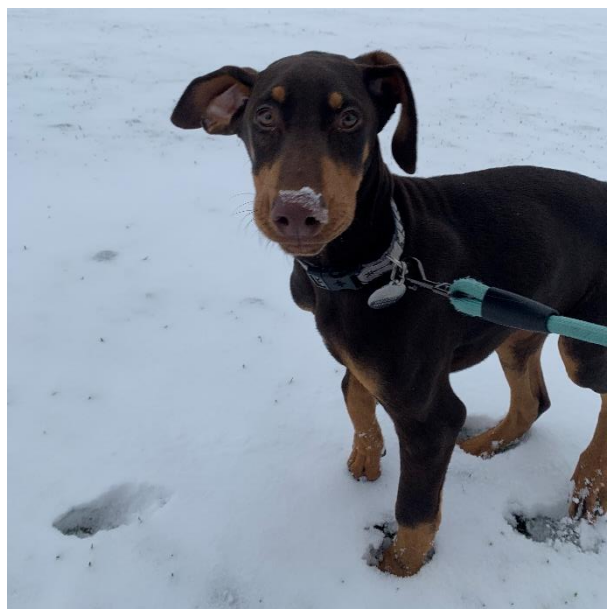
Max Elliott, DunedinPoAm4x and dementia in ADNI

Geli Ronald and Lizzie, Autism Q10 and little p

Essi Viding's been making wreaths. Such obvious talent, so totally wasted on nasty old neuroscience!



JC Barnes' and Sara's new puppy, Rocko! Dobermans are always good to sic on reviewers, but this one looks way too sweet. Welcome to the team young Rocko!



Mid-summer freak snow on New Zealand's South Island:



<https://www.odt.co.nz/regions/southland/summer-snow-parts-south>

Actually, this kind of a surprise summer snow once fell on Avshalom and me, while we were kayaking Lake Manapouri in a January summer in our swimsuits, and camping in a tiny backpacking tent on a tiny island.

A glimpse down memory lane, 9 years ago this week in Grey House, chef Idan made a magnificent Hanukkah lunch for all of us.

Yotam Ottolenghi is a rank amateur.



Have a warm and wonderful holiday everyone.

This is Handel's Messiah in Duke Chapel, free to listen to until Christmas.

Exceptionally beautiful, to totally transport you for 45 mins!

<https://vimeo.com/487818945>



Starworks glassblowers, Star NC

See yall next year!