Myriam Sander, PhD

This happened 3/30/2022

Myriam Sander
@myriam_sander

most difficult tweet ever, but here we go:
MANUSCRIPT RETRACTION ALERT! We discovered a serious error in our preprocessing pipeline that affected our results presented in two recent papers: doi.org/10.1016/j.neur... and

https://twitter.com/myriam_sander/status/1509076244628971523

Myriam Sander @myriam_sander · 17h

Replying to @myriam_sander

Unfortunately, the results presented in these manuscripts do not hold after fixing the error. We need some more time to fully understand the consequences of this error. Nevertheless, we think that it is necessary to retract these papers.

3 4 286

Myriam Sander @myriam_sander · 17h

We will provide a full report on the error and its consequences as soon as we have completely reanalyzed the data. For full transparency, we plan to write up a comprehensive comparison of the original and new results that we might upload to biorxiv, for easy accessibility.

1 2 285

Myriam Sander @myriam_sander · 17h

We have informed the editors about this error. We are deeply sorry for this mistake and open for any suggestions how to proceed or on further actions that we should take....

5 2 226

Randy McIntosh @ar0mcintosh · 6h

Replying to @myriam_sander

I can appreciate how hard this is, but applaud you for alerting us. Science is an uncertain enterprise and often we make mistakes. It is incumbent upon us to acknowledge it and find ways to address it. Thank you for making science better. 🙏

1 21

Eiko Fried @EikoFried · 14h

Replying to @myriam_sander

Making mistakes in science is normal and ok—so sorry to see it leads to retractions here, but that should also be normal. Thanks for doing the right thing and sharing transparently. You're helping many others by normalizing mistakes.

1 6 406

Myriam Sander @myriam_sander · 6h

Wow, this went viral unexpectedly. Thank you all very much for your kind words and support. This is very encouraging! All credit should go to first-authors Claire Pauley and @KobeltMalte - they found and fixed the error (really just a coding error leading wrong trial onset 1/2

> **Myriam Sander** @myriam_sander · 18h
>
> most difficult tweet ever, but here we go: MANUSCRIPT RETRACTION ALERT! We discovered a serious error in our preprocessing pipeline that affected our results presented in two recent papers: doi.org/10.1016/j.neur... and doi.org/10.1523/JNEURO...
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2 1 38

Myriam Sander @myriam_sander · 6h

definitions), and are working on the reanalysis. They immediately alerted me & the other co-authors despite of the consequences for their dissertations in progress. I am very honored to have such great students & colleagues! We will keep you updated. Thanks again, you all! 2/2

21

https://twitter.com/myriam_sander/status/1509076244628971523

Myriam Sander, PhD

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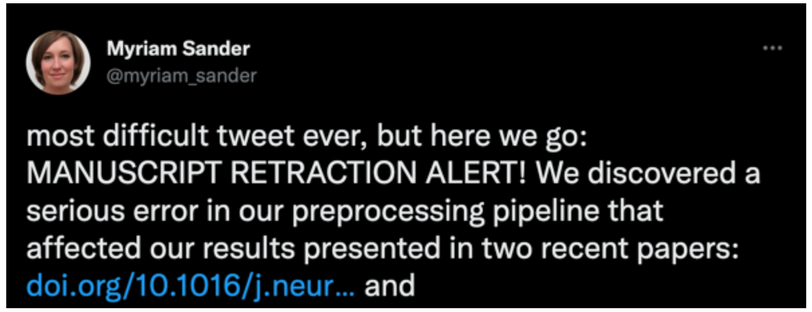

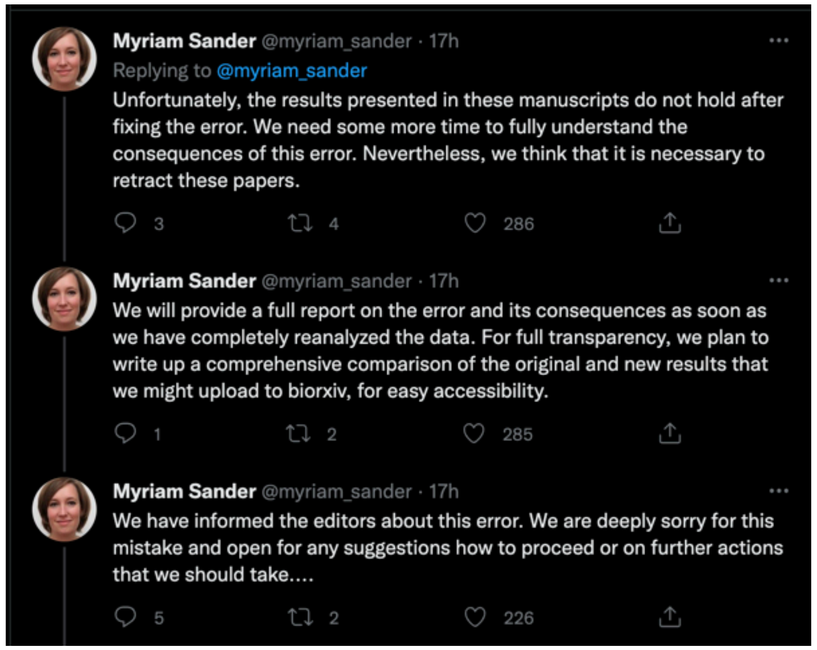

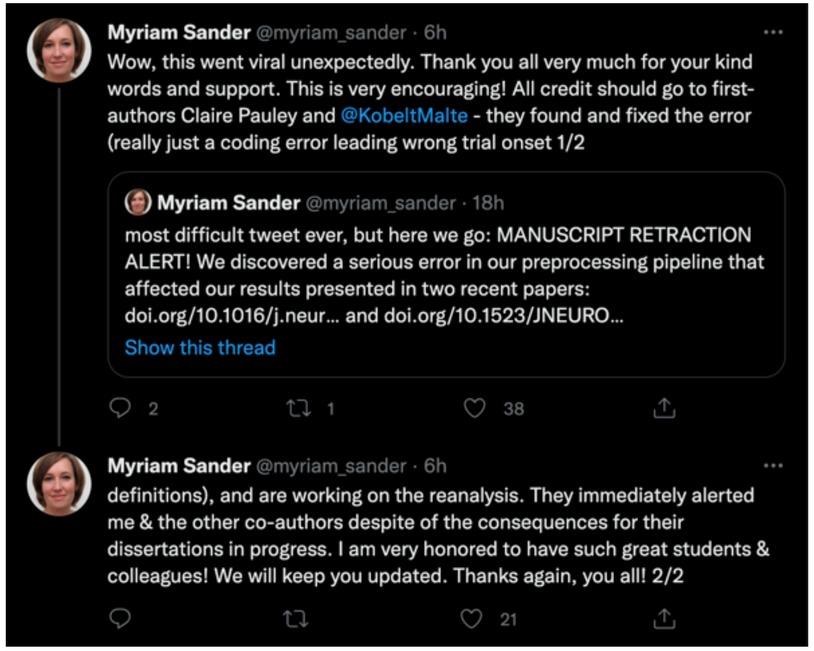

Julia Strand, PhD

Prof of Psychology @ Carleton College

- Podcast version: https://www.juiceandsqueeze.net/17
- Video version: https://youtu.be/BMIZYWB4crg