

Oct. 8, 2024

Nobel Committee for Physics 2024
Ulf Danielsson (Secretary), Olle Eriksson, David Haviland, and Ellen Moons
(Chair) and Eva Olsson
c/o Ulf Danielsson, Secretary
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Re: (For Public Release) **I Allege a Nobel Prize Went to Frauds**



Brain-Mind Institute

BMI Press

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Dear Honorable Nobel Committee for Physics 2024:

It happened again! Like the Committee of Turing Award 2018, the Nobel Committee for Physics 2024 does not have experts on neural networks either. Both committees selected AI frauds for their prizes. I allege that John Hopfield and Geoffrey Hinton committed the following fraud in their awarded work:

Fraud 1: Cheating in the absence of a test, and

Fraud 2: Hiding bad-looking data.

Their techniques are simply media hypes, not generalizable at all. AI is flooded by another Great Leap Forward based on data falsification worldwide. Yes, fake money is driving real money away.

For more information, see J. Weng, On Post Selection Using Test Sets (PSUTS) in AI, <https://ieeexplore.ieee.org/document/9533558>

For misconduct discussion, see J. Weng, On “Deep Learning” Misconduct, <https://www.scitepress.org/Papers/2022/119576/119576.pdf>

The misconduct is willful, because both John Hopfield and Geoffrey Hinton should know that differently initialized networks led to very different fitting accuracies on a validation set (in the absence of a test set).

This is like a student has many (e.g., 10,000) random models about an astronomy event. He reports only the luckiest model in his astronomical observations but hides those unlucky 9999 models. However, he does not test this luckiest model in a future astronomical event (obviously it cannot generalize to a new event)!

You are welcome to openly debate in [AI Crisis] Dialogue of the IEEE CDS Newsletter. See <https://www.cse.msu.edu/amdtc/amdn/CDSNL-V18-N3.pdf>

Redress thought: openly withdraw the Nobel Prize in Physics in 2024 without stating reasons. Otherwise, all Nobel Prizes will lose public trust. The truth will prevail!

Best regards,

A handwritten signature in blue ink that reads 'Juyang Weng'.

Juyang (John) Weng