Topic: Empirical verification
Subtopic: Empirical verification
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Made by Piotr Rozenn
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Note: Scientists are selected from the top 1% most cited ground-breaking papers (Top Sample) and the top 2% most cited papers (Extended Sample) in their respective fields, as of Dec 31st, 2019. Note after this date, citations to papers in the Top Sample are not counted. The research is based on Stanford University's bibliometrics and citations of top scientists.

Q: The reason for us expecting an empirical world is because we are more general than what we need to be in order to survive in our world. Why are we so good at this? Is it because of an unusual knowledge acquisition dilemma exists?

I think the whole approach of "empirical verification" is flawed. Physicists are quite well aware that we can only see a tiny fraction of the universe, and that our theories, laws, and their predictions are only valid in that domain.

Crucially, I do not see in your response an attempt to address a central problem: why should we expect our theories to be about "how do our sensory organs respond to reality, as far as we can tell from our sensory organ responses"? You do not even mention the word "sensory" in your response. Why should we think that it is useful to aim for a theory of reality based on sensory organs? Let alone that it is useful to aim for a theory that will provide details for years.

Q: Natural selection and human ingenuity have created a world in which nearly everything we do involves some form of empirical verification. Scientists are trained in methodology, but even outside of the sciences, people are constantly testing their assumptions against reality. Business, for example, "rewards operational, data-driven decision-making." Even in fields like the humanities, "critical thinking and evidence-based reasoning" are

Q: I don't think a supposition from a hypothetical world is a good way to start a discussion about our world.

Q: To be honest, my hope is that this will be a good way for me to develop my critical thinking skills. I'm a bit rusty, but I'm willing to give it a shot. Thanks for the opportunity!

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Q: Disprove the statement "Empirical verification is a useless concept" using empirical evidence.