

**OPEN LETTER TO WORLD'S PSYCHOLOGISTS OCTOBER 14
2021**

ZULFIKAR MOINUDDIN AHMED

Dear Psychologists of the World,

Psychology is one of the most difficult of the sciences, and it is also one of the least developed at the moment. History of psychology is much more like theology than other sciences, in that particular schools with particular religious views have attempted to dominate the field, they have come and gone; schools have vied for hegemony with strictest ideologies. Everyone in psychology is familiar with Behaviorist tyranny and Cognitive revolution in the 1950s. These things happen in fields which have not really come to the sort of maturity physics had reached by early 1920s. I am responsible for Four-Sphere Theory which is essentially the final mathematical physics theory. If I had to gauge, this sort of clarity is centuries away for psychology because it is much harder than physics.

I have a tremendous respect for Paul Feyerabend as a philosopher of science, and his basic thesis was that science is intrinsically anarchic, as creativity required to gain new scientific understanding is essentially uncontrolled.

What I would like to do is suggest a vast expansion of the range for psychology here and at the same time put some hard elementary bounds for the scope. Psychologists will generally find hard elementary bounds to be quite boring and uninteresting, but I will assure you that you need them. I have done some work on human genetic variation. All psychologists should understand the fundamental source of all psychological phenomena, are evolutionary adaptations that are encoded in the 6 billion letter genetic code, of which 99.9% are exactly the same for all humans on Earth. The genetic variation across people are just 0.1%. Psychologists are usually interested in much more specific nontrivial issues. What I want to reinforce is that the general and seemingly – to psychologists – to be a banal issue that all psychological features require evolutionary adaptations encoded in the genetic code, and the deep mysteries are in understanding what is contained in the code that evolved in unobservable 200 million year history by activity that we can only infer by speculation and imagination, will remain mysterious. But we need to have some clear understanding of the total variation possible. I have used some Monte Carlo methods and so on to determine that total possible human generic variation is around 5 trillion genome sequences. This is a hard bound for all psychological variation. And I want to ensure that all psychologists are aware of this, that human psychological variation is bounded, finite, and that the current human population is about three orders of magnitude to full saturation of human genetic potential.

Now compared to Behaviorism, considering genetic variation is supremely vast. Whatever is the black box of the human psyche, considering these to be parametrised by the full genome is obviously infinitely vaster than making restrictive assumptions about observed behavior and eliminating all other latent processes. But I

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am obsessed with getting absolute bounds concretely specified. No matter what psychological exotic discoveries you want to make, don't go outside the genetic variation of humans bounds. That will not allow you to make progress.

Your freedom in subtle understanding is not substantially decreased if you stay within Zulf's genetic variation bounds. In fact those sorts of constraints will allow you to obtain deeper and more accurate theories.

I wish you the best of luck and may the Light be with you all.

Thank you, ZULFIKAR MOINUDDIN AHMED