



Do We Need Philosophy in Sciences?

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Nietzsche said: a person who knows a why to live can bear almost any how.

What is philosophy? What is it that we call science and why we need philosophy and more of it in sciences especially social sciences?

Philosophy is thinking, feeling, criticizing and questioning and coming up with ideas about existence, life and how to live life in every detail of it. Science on the other hand is observation of nature and reality and try to formulate it in a hypothesis using logic and mathematics and prove it based on logic and test it using experiments.

Science had a major and exponential progress since age of enlightenment in 17th century and specially for the past 40 years ago with the birth of internet. On the other hand, Despite the claim of Ludwig Wittgenstein that said he solved all the essential problems of philosophy, after 2000 years of philosophical investigation we don't have any idea what love is and what is the point of life? Two extremely important questions in philosophy and also with implications in Science and having a scientific career.

Emotion, having interest and love are the engine of scientific work and in order to master our emotions we need to have philosophy of life. Why do we choose a scientific major? How do we learn efficiently? Do we have a knowledge about our mind and what do we want from life? Most great problems in science have been solved through persistent work and love teaches us persistence and logic gives us stability in life. Philosophy teaches us to bring emotion into our scientific work and have intuition about what we do.

Most Engineers and scientists do not question the roots of the problems that they are working on in a philosophical manner. Because it is energy consuming and needs lots of reflection. The current approach in science is to not question the roots or everything and to accept and memorize and move one with scientific progress. Although when we face the open problems such as distribution of prime numbers, making connection between quantum mechanics and general relativity or even highly abstract problems such as $P=NP$? in complexity theory and also in order to making huge advances in biological sciences such as drugs discovery and curing diseases we need philosophy because it allows to reflect upon the approach that we have toward the problems while having a general perspective on it.

So philosophy is needed in sciences and on the other hand we for sure need science in philosophy because it prevents us from wasting time rambling in an abstract manner about life and nature and existence at the same time that science gives us a logical testable answer. We also need philosophy in science because we need to have a peace between logic and emotion and also faith and knowledge.