

Review of: "[Commentary] Programming and Kant"

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Interesting interpretation of the criticism of the pure reason of I. Kant, including the components of its transcendental doctrine: logic and aesthetics, in criticism of the existence of a priori synthetic judgments, compared to the similar interpretation of logic and aesthetics in programming computational, including artificial intelligence (AI).

All this I can understand and explain in a didactic way by finding points of comparison in metaphysics and in particular in the philosophical framework of transcendental phenomenology. At the beginning I can make a metaphorical comparison of 3 types of communication between human beings and now of humans with the digital technological world of AI; those that have their codes and coding elements with well-established norms and rules. That is, language (spoken and written in different languages); Music (vocalized musical notes, emitted with musical instruments and written in the pentagram) and finally, mathematics (numbers). Computer codes and algorithms including programming in binary numbers (0, 1) are branch of mathematics, including AI.

Returning to I. Kant, he tries to overcome the dogmatic metaphysics of the rationalists and transcend Hume's gnoseology. I will explain better from Kant's doctrine as to how to know the being and the world; That is, based on two heterogeneous capacities of the human mind, sensitivity and understanding. I translate it in phenomenological terms of sensation and perception (the objects of the real world of the context are given to us) and the objects thus perceived us and we think, taking this dynamic to their knowledge and interpretation (Kant's understanding). Kant's transcendental aesthetics, phenomenologically speaking, is the harmonious relationship of such sensitivity and perceived objects (both of the context and the interior of our mind). Kant's transcendental logic in phenomenology is the categorical organization of thoughts in terms and concepts with communication meaning and use according to language and expressed verbally or in writing. All perceived, designed, thought and reflected, help us understand the external and internal reality to the subject, in order to create and recreate their reality. It allows you to live fully and with it, adapt it to its existential purposes and objectives (receptivity in Kant, phenomenologically it is equivalent to the ability to spontaneously reproduce said reality, create it and recreate it and by common agreement with H. Maturana).

In all this discourse, morality (culture values and traditions of peoples and nations at a given time) is implicit. Likewise, ethics (assumed values and guide to the personal behavior of the subjects), without being present explicitly, if it guides the general behavior of the individual, it is an artist, a poet, a writer, philosopher, scientist or code programmer and AI algorithms.

Finally, I consider that, if the programmer is a scientist and artist of the data and numbers in computational computer

science, he will have the moral of his time and culture of origin; In addition to professional ethics in their training, to act accordingly when carrying out programs with codes and algorithms of AI.