Review of: "A Perspective for Economic and Social Unfoldings of AI"

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Potential competing interests: No potential competing interests to declare.

I was bothered by the repetitive use of the expression "so-called AI", which seems to bias the reading of the problematization raised in relation to a pejorative and cynical connotation of AI since the abstract.

In the second paragraph of their introduction, the authors claim that misleading and vague expressions are used to refer to AI sub-areas, without defending such a claim, demonstrating a certain contamination of their own personal views in their analysis, thus causing a loss of objectivity.

Some strong claims are made, without reference, as, for example, in "In certain countries, big (and usually uninformed) firms are firing thousands of people that are fated to stay without a formal job for a long time", which despite objectively correct, it loses strength due to the informal tone with which it is made.

In the second section, the authors suggest alternative nomenclatures to those used by the mainstream IA literature, but the proposed nomenclatures suffer from the same weakness pointed out by the authors in the official nomenclature: how could Artificial Inference be applied to reinforcement learning? It is insinuated that ML is a term that mystifies the expression learning, but does the same not happen with biological learning?

In general, the authors' criticism about the lack of semantic clarity of scientific terms, which can be manipulated by companies with economic interests, is interesting, valid and necessary. But the approach seems to be naive and exaggerated in many moments, while the authors seem to selectively ignore that any expression gets full meaning only within specific contexts, as in Wittgensteinian language games.

I missed the analysis of the impact of transfer learning techniques on accelerating the automation process and, consequently, on the increase in mass layoffs by companies.

Section 3.3 ignores transpilation.

An analysis of the social and economic impacts of AI should take into account the environmental impact of deep learning.