

Review of: "Rationality and Scientific Thinking as Foundations for Leadership in the World of Work"

Chris Biggadike¹

¹ Brunel University Uxbridge

Potential competing interests: No potential competing interests to declare.

This is a concise and well-written paper which examines the rapid development of AI, its affect on modern society and the subsequent implications for leadership (mostly in the form of pedagogy).

The proposition of the author is that, in order to compete with the increasingly capable examples of AI, humans need to become better at meta-cognition which focused on self-critical analysis of learning methods. It is proposed that this is an area in which humans can offer something which AI cannot.

Discussions on this subject are highly relevant in today's society and the topics raised do have a profound impact on leadership (in ways which far exceed the scope of this paper). This paper is focused on one facet of this issue and it raises many questions such as: Is the meta-cognition discussed a facet of self-awareness? Is it really beyond the reach of AI? If the AI is significantly better at making decisions and learning, to what extent will better meta-cognition help humans? Is this really a leadership issue or a general issue for all humans? Are AI destined to always live in a purely non-physical realm (surely this is currently our key advantage over them?). Personally, I would have preferred less detail on the workings of AI and more expansion on these points in a discussion section.

That said, this paper contributes well to this topic and makes some very good points about the frighteningly effective self-learning capacity of AI. Certainly, proposing areas in which humans can maintain a cognitive advantage over AI in the long term is becoming increasingly difficult, a situation which has arisen faster than many of us thought possible 10 years ago.