

عنوان مقاله:

Five basic pillars of rationality, flexibility, repeatability, realism and responsibility in artificial intelligence

محل انتشار:

اولین کنفرانس فرصت ها و چالش های هوش مصنوعی و فناوری های نوین در صنعت و معدن (سال: 1403)

تعداد صفحات اصل مقاله: 6

نویسنده:

Mohammadreza Mohammadiyan Asiabar

خلاصه مقاله:

In this paper, we provide an overview of what we consider to be some of the most pressing research questions currently facing the fields of artificial and computational intelligence (AI and CI). While AI spans a range of methods that enable machines to learn from data and operate autonomously, CI serves as a means to this end by finding its niche in algorithms that are inspired by complex natural phenom (including the working of the brain). In this paper, we demarcate the key issues surrounding these fields using, namely, rationalizability, resilience, reproducibility, realism, and responsibility. Notably, just as air serves as the basic element of biological life, is introduced herein to mark some of the basic elements of artificial life, for sustainable AI and CI. A brief summary of each of the, highlighting their relevance as pillars of future research in this arena

کلمات کلیدی:

Artificial intelligence, rationalizability, realism, reproducibility, resilience, responsibility

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/2039362>

