

Peer Review

Review of: "Kepler: The Pioneer of Data Science and AI"

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I really enjoyed this paper. It takes a creative and cross-disciplinary look at how Johannes Kepler's way of doing astronomy connects with the way we use artificial intelligence (AI) in science today. The idea of seeing Kepler as an early version of a data scientist is fresh and thought-provoking. The topic feels very current and is likely to catch the attention of people from different fields. I really enjoyed this paper. It takes a creative and cross-disciplinary look at how Johannes Kepler's way of doing astronomy connects with the way we use artificial intelligence (AI) in science today. The idea of seeing Kepler as an early version of a data scientist is fresh and thought-provoking. It's a smart and original take, especially now that there's growing interest in tools like symbolic regression and explainable AI that help machines "discover" scientific patterns. Kepler's ability to derive coherent laws from imperfect observational data is a testament to his scientific intuition. In contrast, modern AI systems—especially symbolic regression tools—are often highly sensitive to noisy or biased data. Integrating this analogy offers a compelling opportunity to discuss the limits and capabilities of data-driven discovery.

Declarations**Potential competing interests:** No potential competing interests to declare.