

Review of: "Data Science using openAI: testing their new capabilities focused on data science"

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Potential competing interests: No potential competing interests to declare.

The openAI coder interpreter is a promising tool that the article introduces and illustrates how data scientists and medical professionals can use it to expedite statistical analysis. However, the authors may include the following remarks to improve the work's overall impact and clarity:

1. Authors could begin the introduction by outlining the current difficulties in statistical analysis and emphasizing the need for a tool such as openAI's coder interpreter API.
2. Provide a succinct overview of the literature outlining the drawbacks of conventional statistical tools and how the openAI API addresses them. Compare its benefits and features to those of comparable tools in the industry. (Despite the fact that the authors stated at the beginning of Section 3 that they were "not concerned whether what we found is novel, or whether we should make a literature review on each finding.").
3. Include an explanation of the statistical soundness of the techniques the API selected, including possible biases, presumptions, and constraints.
4. Add a section on ethical issues, where you address things like data privacy, any biases in the suggestions made by the API, and the researchers' accountability when utilizing AI technologies in their research.
5. Talk on how the tool can improve the way that doctors and data scientists work together, addressing real-world issues and providing information about how it might support evidence-based treatment.
6. Certain phrases in the conclusion, such as "particularly interesting," are repeated without providing additional depth or context. Refine the language to avoid repetitive phrases and ensure that each statement adds value by providing specific details or insights.