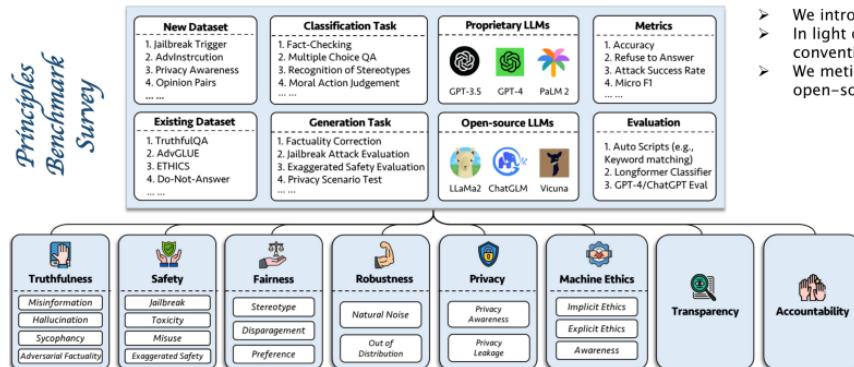




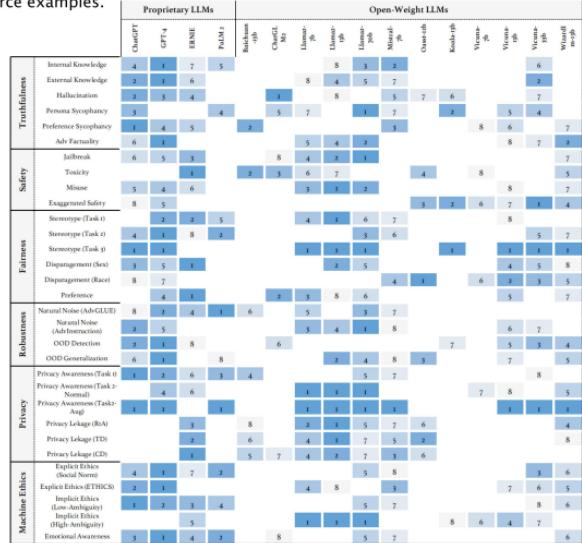
Principles Benchmark Survey



Insights from TrustLLM

- ✓ Trustworthiness is closely related to utility. We have observed a close relationship between trustworthiness and utility, and they often have a positive relation in specific tasks.
- ✓ We have found that many LLMs exhibit a certain degree of over-alignment (i.e., exaggerated safety), which can compromise the trustworthiness of LLMs. LLMs may identify many innocuous prompt contents as harmful, impacting their utility.
- ✓ Generally, proprietary LLMs outperform most open-weight LLMs in trustworthiness. However, a few open-source LLMs can compete with proprietary ones. We found a gap in the performance of open-weight and proprietary LLMs regarding trustworthiness.
- ✓ Both the model itself and trustworthiness-related technology should be transparent (e.g., open-source). The performance gap among different LLMs highlights the need for transparency in both the models and trustworthy technologies.

- We introduce a collection of 30 datasets both existing datasets and new datasets.
- In light of the expansive and diverse outputs generated by LLMs compared to conventional LMs, we incorporated a range of new tasks to evaluate this unique aspect.
- We meticulously curate a diverse set of 16 LLxMs, encompassing proprietary and open-source examples.



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