

→ LLM Implications

LLMs have tremendous potential to empower communities and democratize knowledge. But given the concentrated development landscape and the datasets on which they are based, LLMs are unlikely to achieve these goals.

IMPLICATIONS OF LLM **DEVELOPMENT**

1

LLMs WILL EXACERBATE **ENVIRONMENTAL INJUSTICE**

LLM processing occurs in physical data centers, which require massive amounts of natural resources. Data center construction is already disproportionately harming marginalized populations.

2

LLMs WILL ACCELERATE **THE THIRST FOR DATA**

To operate properly, LLMs consume enormous amounts of data. This will challenge traditional ideas of individual informed consent and create incentives for unethical data extraction and use.

3

LLMs WILL BE DEPLOYED INITIALLY AS **ASSISTIVE**

To gain social acceptance, developers will initially introduce LLMs into large, authoritative systems. They will also emphasize the technology's modularity and capacity to empower users.

IMPLICATIONS OF LLM **ADOPTION**

4

LLMs WILL REINFORCE **INEQUALITY**

Neither the development landscape nor LLM datasets represent marginalized communities adequately. As a result, we expect LLMs to systematically minimize and misrepresent these voices while amplifying the perspectives of the already powerful.

5

LLMs WILL REMAKE **LABOR AND EXPERTISE**

LLMs will transform, rather than replace, many occupations. Humans will shift to more complex and risky tasks, and many workers and consumers will resist these technologies.

6

LLMs WILL REINFORCE **SOCIAL FRAGMENTATION**

LLMs will help communities gather information that aligns with their interests and values. This may democratize knowledge, but it will also challenge expert authority and erode shared realities.