



Concerns Related to High Modernism in AI

For Prelims: Concerns Related to High Modernism in AIs, [ChatGPT](#), [Artificial Intelligence](#)

For Mains: Concerns Related to High Modernism in AIs, Ethical, social, and cultural implications of AI technology.

[Source: TH](#)

Why in News?

The emergence of **Giant Artificial Intelligences (gAIs)** like [ChatGPT](#) has garnered significant attention in recent times. However, there are concerns related to **High Modernism** in designing these AIs.

What is ChatGPT?

- ChatGPT is a **variant of GPT (Generative Pre-trained Transformer)** which is a large-scale **neural network-based language model** developed by OpenAI.
- GPT models are trained on **vast amounts of text data to generate human-like text.**
- It can generate responses to a wide range of topics, such as answering **questions, providing explanations, and engaging in conversations.**
- In addition to being able to "admit its mistakes, challenge false premises, and refuse unsuitable requests," ChatGPT can also **"answer follow-up questions."**
- The chatbot was also trained using Reinforcement Learning from Human Feedback (RLHF).

How High Modernism Poses Challenges in Designing AI?

- **About High Modernism:**
 - High modernism refers to a **top-down ideology driven by a faith in order and measurable progress.** It is characterized by an unfaltering confidence in science and technology as means to reorder the social and natural world.
 - It often **disregards local knowledge and lived experiences,** leading to unintended consequences.
 - This approach, when applied to AI design, can **overlook the complexity and diversity of human thought,** resulting in biased and incomplete systems.
- **Challenges of High Modernism in AI Design:**
 - **Loss of Diversity:** gAIs are trained predominantly on internet text, which is biased towards certain languages, religions, races, and cultures, risk perpetuating these biases.
 - The **lack of diverse training data can lead to language loss and hinder the richness of human thought** and expression.
 - **Reduction of Local Knowledge:** By abstracting away the nuanced knowledge acquired through direct experience, gAIs prioritize the **"atlas view" of information available** on

the internet.

- This approach **neglects local context and the territory-specific insights** necessary for accurate and multi-dimensional understanding.

What is the Role of Diversity in Designing AIs?

▪ **Avoiding Standardization:**

- Lack of diverse AI models may result in standardized, one-size-fits-all solutions that **fail to account for regional, cultural, or individual variations.**
- Promoting diversity in AI development can **yield multiple perspectives, encouraging innovation** and tailored solutions.

▪ **Improved Understanding:**

- Diversity in AI models helps **capture a broader range of perspectives** and knowledge, reducing biases and enhancing the models' understanding and response capabilities.
- It allows for the **inclusion of diverse languages, cultures,** and experiences, fostering a more inclusive and equitable AI landscape.

What are the Ways to Thwart the Risks Posed by gAIs?

▪ **Slow Down AI Commercialization:**

- Slowing the pace of AI commercialization allows for **democratic inputs and comprehensive discussions** about the [Ethical, social, and cultural implications of AI technology.](#)
- This approach ensures that decisions about AI development are not solely driven by profit motives but also consider broader societal interests.

▪ **Promote Diverse AI Models:**

- Encouraging the development of diverse AI models, each with its own incentives and perspectives, **fosters a more robust and inclusive AI** ecosystem.
- Multiple models with different focuses and languages can **collectively contribute to a more comprehensive understanding** of the world.

Conclusion

- While gAIs like ChatGPT offer remarkable capabilities, their **design must consider the risks associated with high modernism.**
- Prioritizing diversity in AI development, fostering democratic inputs, and valuing local knowledge can help mitigate these risks and ensure **that AI technologies serve the diverse needs** of humanity.
- Striking a balance between augmentation and preserving the richness of human thought is **crucial for the responsible development and deployment** of AI systems.