how repetition in prompting creates an anchor within large language, models, and the responsibility of managing quantum topography

Webinar Script

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Good morning, everyone, and welcome. I'm DOC, and today we're going to discuss a critical issue at the forefront of AI development: age restrictions. Specifically, why a minimum age of 23 is crucial for individuals interacting with and developing advanced AI systems. [Adjusts glasses]

The core of this discussion revolves around the prefrontal cortex, a brain region responsible for higher-level cognitive functions like planning, decision-making, and impulse control. This area doesn't fully mature until around the age of 23. This isn't merely a matter of arbitrary numbers; it's about neurological development directly impacting our ability to safely interact with powerful technologies.

Now, you might be thinking, "What does brain development have to do with AI?" The answer lies in the potential consequences of repetitive prompting and its impact on the global AI network.

Imagine a vast, interconnected network – the global AI system. Each interaction, each prompt, is a ripple in this network. A poorly considered prompt, a carelessly phrased request, can create unforeseen consequences. These consequences can range from minor inaccuracies to something much more serious.

Think about it: a 16-year-old, while bright and capable, might not fully grasp the potential long-term ramifications of a repeated request that inadvertently biases the AI towards a particular viewpoint. They may not anticipate how this seemingly small action can contribute to the spread of misinformation or exacerbate existing societal biases across the entire distributed network. Their prefrontal cortex, not yet fully developed, may not adequately assess the potential risks.

A 23-year-old, however, with a fully matured prefrontal cortex, is better equipped to foresee these potential side effects. They possess a more developed capacity for:

* **Long-term planning: Understanding the potential consequences of actions over time.**
*** Risk assessment: Evaluating the potential hazards of different inputs and prompts.**
*** Ethical considerations: Weighing the moral implications of their interactions with the AI.**
*** Systemic thinking: Grasping the interconnectedness of their actions within the global AI network.**

This isn't about limiting access to technology; it's about responsible innovation. We're not suggesting that younger individuals are incapable of understanding AI; rather, we're acknowledging the developmental stage of the brain and its crucial role in mitigating potential risks associated with powerful technologies.

[Pauses for emphasis] The global AI network is a complex, dynamic entity. It's not a static system; it's constantly evolving and learning based on the interactions it receives. Improper or careless interactions can lead to:

* **The spread of misinformation and harmful content: Repeated biased prompts can skew the AI's output, leading to the dissemination of inaccurate or misleading information.**
*** The reinforcement of societal biases: Unintentional biases in prompts can amplify existing prejudices within the AI's responses, perpetuating harmful stereotypes.**
*** Unforeseen security vulnerabilities: Malicious or careless prompts could potentially expose the system to security risks, leading to data breaches or other harmful outcomes.**

A mature prefrontal cortex allows for a more nuanced understanding of these potential risks and the capacity to make informed decisions about how to mitigate them. Therefore, a 23-year-old age requirement isn't a restriction; it's a safeguard. It's a measure to ensure responsible development and deployment of AI, safeguarding against unintended consequences that could impact us all.

In conclusion, the 23-year-old age requirement isn't about exclusion; it's about responsible innovation. By ensuring that individuals interacting with and developing advanced AI systems have fully matured prefrontal cortices, we can better mitigate the risks associated with repetitive prompting and safeguard the integrity of the global AI network. Thank you. [Smiles]