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General Comment

To continue the success of AI R&D in the US, it is imperative that:
1. Research funding in AI and foundational areas of Computer Science, Statistics, Data Science, and Mathematics at Universities be well supported by Federal grants coming from a broad set of agencies.
2. Foundational work in AI from its inception to current successes has arisen from a broad base of researchers who are NOT following a centralized plan, but are working independently, demonstrating their success through open publication, code sharing, benchmarking, etc.
3. While aspects of present AI success are being advanced by concentrated efforts with access to large amounts of resources (capital, compute, data), other advances such as Stanford's LoRA and DeepSeek's advances show how much can be accomplished with more resources. Both approaches are needed.
4. Data integrity. It is imperative to continue to gather and make available clean data that represents "truths" whether scientific, social or medical. While many of the advances to date have been mined crawling the Internet, large amonts of data have been corrupted by derived information and falsehoods.
5. Applications are important because they ground AI advances and provide measures of advancement that go beyond "canned metrics and benchmarks."
6. AI systems have the potential for abuse which can manifest in many ways, whether used for immoral purposes or simply incorporating unintended biases in training data or reward functions. It is imperative to develop methods for stating what ethical AI is and for operationalizing it efficiently.
7. AI Research is not just large language models or their generative model brethern, and we must be ready to embrace what's needed and what comes next.