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Understanding mis Anwar M., Caesar M	understandings: eval	uating LLMs on	networking que cation Review54 (stions 4):14-24,2025.Type:Article		
Date Reviewed: Jun	20 2025			Full Text		
Large language models (LLMs) have awed the world, emergi timeChatGPT reached 100 million active users in January 2 an initial cycle, they have gradually been mostly accepted and their basic mechanics are no longer beyond the understandin Now, given that the technology is better understood, we face chatbots are for different occupations. This paper embarks or useful for networking applications.			ging as the fastest 2023, just two mo nd incorporated in ing of people with e the question of h on the question of	-growing application of all inths after its launch. After to various workflows, and moderate computer literacy. now convenient LLM whether LLMs can be	Recommend Featured R Related Top Browse Language Mod (1.2.7)	ations eviewer ics Alerts lels (Add)
This paper systemat taken from several n six axes along which	izes querying three pop etwork management of the incorrect response	oular LLMs (GPT nline courses and es were classified	-3.5, GPT-4, and d certifications, an d:	Claude 3) with questions d presents a taxonomy of	Manage Alerts	More Alerts
 Accuracy: th Detectability Cause: for e Explainabilit Effects: the i Stability: wh different ans 	e correctness of the ar : how easily errors in the ach incorrect answer, the y: the quality of the exp impact of wrong answere ether a minor change, wers for a single query	nswers provided the LLM output cathe underlying cathe planations with w rrs on users; and such as a changer.	by LLMs; an be identified; luses behind the e hich the LLMs sup e in the order of th	error; oport their answers; ne prompts, yields vastly		
The authors also me	asure four strategies to	oward improving	answers:			
 Self-correcti expected co One-shot pre followed by a Majority voti Fine-tuning: 	on: giving the original or rrect answer, as part or ompting: adding to the a similar correct answe ng: using the answer th further training on a sp	uestion and rece f the prompt; prompt "when ar r; nat most models pecific dataset to	eived answer back nswering user que agree upon; and adapt the LLM to	a particular task or domain.		
The authors observe in degraded perform	that, while some of the ance.	ose strategies we	ere marginally use	ful, they sometimes resulted	I	
The authors queried over 90 percent for b converting between even if they are trivia typical IPv4 dotted-q	the commercially avail basic subjects but fared different numeric notati Il (that is, presenting th uad representation).	able instances o I notably worse ir ons, such as wo e subnet mask fo	f Gemini and GPT n topics that requin rking with Internet or a given network	, which achieved scores re understanding and protocol (IP) addresses, address expressed as the		
As a last item in the Llama3.1, Gemma2, smaller than the GP the paper does not d specific scenarios.	paper, the authors com and Mistral with their of T-3.5 commercial mode lelve deeper into these	pare performand default settings. <i>I</i> el used, they read models, which c	ce with three popu Although those mo ched comparable an be deployed lo	lar open-source models: odels are almost 20 times performance levels. Sadly, cally and adapted to		
The paper is easy to clear comparison alc can be used as a gu	read and does not req ong the described axes ide for structuring simil	uire deep mathe for the 503 multi ar studies over d	matical or Al-relat ple-choice question ifferent fields.	ed knowledge. It presents a ons presented. This paper		

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