

- Goh, G., Gontijo-Lopes, R., Gordon, J., Grafstein, M., Gray, S., Greene, R., Gross, J., Gu, S.S., Guo, Y., Hallacy, C., Han, J., Harris, J., He, Y., Heaton, M., Heidecke, J., Hesse, C., Hickey, A., Hickey, W., Hoeschele, P., Houghton, B., Hsu, K., Hu, S., Hu, X., Huizinga, J., Jain, S., Jain, S., Jang, J., Jiang, A., Jiang, R., Jin, H., Jin, D., Jomoto, S., Jonn, B., Jun, H., Kaftan, T., Kamali, A., Kanitscheider, I., Keskar, N.S., Khan, T., Kilpatrick, L., Kim, J.W., Kim, C., Kim, Y., Kirchner, J.H., Kiros, J., Knight, M., Kokotajlo, D., Kondraciuk, A., Konstantinidis, A., Kosic, K., Krueger, G., Kuo, V., Lampe, M., Lan, I., Lee, T., Leike, J., Leung, J., Levy, D., Li, C.M., Lim, R., Lin, M., Lin, S., Litwin, M., Lopez, T., Lowe, R., Lue, P., Makanju, A., Malfacini, K., Manning, S., Markov, T., Markovski, Y., Martin, B., Mayer, K., Mayne, A., McGrew, B., McKinney, S.M., McLeavey, C., McMillan, P., McNeil, J., Medina, D., Mehta, A., Menick, J., Metz, L., Mishchenko, A., Mishkin, P., Monaco, V., Morikawa, E., Mossing, D., Mu, T., Murati, M., Murk, O., Mély, D., Nair, A., Nakano, R., Nayak, R., Neelakantan, A., Ngo, R., Noh, H., Ouyang, L., O’Keefe, C., Pachocki, J., Paino, A., Palermo, J., Pantuliano, A., Parascandolo, G., Parish, J., Parparita, E., Passos, A., Pavlov, M., Peng, A., Perelman, A., Peres, F.d.A.B., Petrov, M., Pinto, H.P.d.O., Michael, Pokorny, Pokrass, M., Pong, V.H., Powell, T., Power, A., Power, B., Proehl, E., Puri, R., Radford, A., Rae, J., Ramesh, A., Raymond, C., Real, F., Rimbach, K., Ross, C., Rotsted, B., Roussez, H., Ryder, N., Saltarelli, M., Sanders, T., Santurkar, S., Sastry, G., Schmidt, H., Schnurr, D., Schulman, J., Selsam, D., Sheppard, K., Sherbakov, T., Shieh, J., Shoker, S., Shyam, P., Sidor, S., Sigler, E., Simens, M., Sitkin, J., Slama, K., Sohl, I., Sokolowsky, B., Song, Y., Staudacher, N., Such, F.P., Summers, N., Sutskever, I., Tang, J., Tezak, N., Thompson, M.B., Tillet, P., Tootoonchian, A., Tseng, E., Tuggle, P., Turley, N., Tworek, J., Uribe, J.F.C., Vallone, A., Vijayvergiya, A., Voss, C., Wainwright, C., Wang, J.J., Wang, A., Wang, B., Ward, J., Wei, J., Weinmann, C., Welihinda, A., Welinder, P., Weng, J., Weng, L., Wiethoff, M., Willner, D., Winter, C., Wolrich, S., Wong, H., Workman, L., Wu, S., Wu, J., Wu, M., Xiao, K., Xu, T., Yoo, S., Yu, K., Yuan, Q., Zaremba, W., Zellers, R., Zhang, C., Zhang, M., Zhao, S., Zheng, T., Zhuang, J., Zhuk, W., Zoph, B.: GPT-4 Technical Report (Mar 2023). <https://doi.org/10.48550/ARXIV.2303.08774>
42. Ouyang, L., Wu, J., Jiang, X., Almeida, D., Wainwright, C.L., Mishkin, P., Zhang, C., Agarwal, S., Slama, K., Ray, A., Schulman, J., Hilton, J., Kelton, F., Miller, L., Simens, M., Askell, A., Welinder, P., Christiano, P., Leike, J., Lowe, R.: Training language models to follow instructions with human feedback. Tech. rep. (Mar 2022). <https://doi.org/10.48550/arXiv.2203.02155>, <http://arxiv.org/abs/2203.02155>, arXiv:2203.02155 [cs] type: article
 43. Papineni, K., Roukos, S., Ward, T., Zhu, W.J.: Bleu: a method for automatic evaluation of machine translation. In: Isabelle, P., Charniak, E., Lin, D. (eds.) *Proceedings of the 40th Annual Meeting of the Association for Computational Linguistics*. pp. 311–318. Association for Computational Linguistics, Philadelphia, Pennsylvania, USA (Jul 2002). <https://doi.org/10.3115/1073083.1073135>, <https://aclanthology.org/P02-1040>
 44. Petroni, F., Piktus, A., Fan, A., Lewis, P., Yazdani, M., De Cao, N., Thorne, J., Jernite, Y., Karpukhin, V., Maillard, J., Plachouras, V., Rocktäschel, T., Riedel, S.: KILT: a benchmark for knowledge intensive language tasks. In: *Proceedings of the 2021 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies*. pp. 2523–2544. Association for Computational Linguistics, Online (Jun 2021). <https://doi.org/10.18653/v1/2021.naacl-main.200>, <https://aclanthology.org/2021.naacl-main.200>
 45. Radford, A., Wu, J., Child, R., Luan, D., Amodei, D., Sutskever, I., et al.: Language models are unsupervised multitask learners. *OpenAI blog* 1(8), 9 (2019)
 46. Ramos, J., et al.: Using tf-idf to determine word relevance in document queries. In: *Proceedings of the first instructional conference on machine learning*. vol. 242, pp. 29–48. Citeseer

- (2003)
47. Robertson, S., Zaragoza, H., et al.: The probabilistic relevance framework: Bm25 and beyond. *Foundations and Trends® in Information Retrieval* **3**(4), 333–389 (2009)
 48. Rosset, C., Chung, H.L., Qin, G., Chau, E.C., Feng, Z., Awadallah, A., Neville, J., Rao, N.: Researchy questions: A dataset of multi-perspective, compositional questions for llm web agents (Feb 2024). <https://doi.org/10.48550/ARXIV.2402.17896>
 49. Saad-Falcon, J., Khattab, O., Potts, C., Zaharia, M.: Ares: An automated evaluation framework for retrieval-augmented generation systems (Nov 2023). <https://doi.org/10.48550/ARXIV.2311.09476>
 50. Sai, A.B., Mohankumar, A.K., Khapra, M.M.: A survey of evaluation metrics used for nlq systems. *ACM Computing Surveys (CSUR)* **55**(2), 1–39 (2022)
 51. Shahabi, C., Kolahdouzan, M.R., Sharifzadeh, M.: A road network embedding technique for k-nearest neighbor search in moving object databases. In: *Proceedings of the 10th ACM international symposium on advances in geographic information systems*. pp. 94–100 (2002)
 52. Tang, Y., Yang, Y.: Multihop-rag: Benchmarking retrieval-augmented generation for multi-hop queries (Jan 2024). <https://doi.org/10.48550/ARXIV.2401.15391>
 53. Thorne, J., Vlachos, A., Christodoulopoulos, C., Mittal, A.: FEVER: a large-scale dataset for fact extraction and VERification. In: *NAACL-HLT* (2018)
 54. TruLens: TruLens (2023), https://www.trulens.org/trulens_eval/getting_started/quickstarts/quickstart/
 55. Vaswani, A., Shazeer, N., Parmar, N., Uszkoreit, J., Jones, L., Gomez, A.N., Kaiser, L., Polosukhin, I.: Attention is all you need (Jun 2017). <https://doi.org/10.48550/ARXIV.1706.03762>
 56. Wang, A., Pruksachatkun, Y., Nangia, N., Singh, A., Michael, J., Hill, F., Levy, O., Bowman, S.R.: SuperGLUE: A stickier benchmark for general-purpose language understanding systems. *arXiv preprint 1905.00537* (2019)
 57. Wang, S., Khramtsova, E., Zhuang, S., Zuccon, G.: Feb4rag: Evaluating federated search in the context of retrieval augmented generation (Feb 2024). <https://doi.org/10.48550/ARXIV.2402.11891>
 58. Wang, S., Liu, J., Song, S., Cheng, J., Fu, Y., Guo, P., Fang, K., Zhu, Y., Dou, Z.: Domainrag: A chinese benchmark for evaluating domain-specific retrieval-augmented generation (Jun 2024). <https://doi.org/10.48550/ARXIV.2406.05654>
 59. Wei, J., Tay, Y., Bommasani, R., Raffel, C., Zoph, B., Borgeaud, S., Yogatama, D., Bosma, M., Zhou, D., Metzler, D., Chi, E.H., Hashimoto, T., Vinyals, O., Liang, P., Dean, J., Fedus, W.: Emergent abilities of large language models (Jun 2022). <https://doi.org/10.48550/ARXIV.2206.07682>
 60. Wei, J., Wang, X., Schuurmans, D., Bosma, M., Ichter, B., Xia, F., Chi, E., Le, Q., Zhou, D.: Chain-of-thought prompting elicits reasoning in large language models (Jan 2022). <https://doi.org/10.48550/ARXIV.2201.11903>
 61. Xiong, G., Jin, Q., Lu, Z., Zhang, A.: Benchmarking retrieval-augmented generation for medicine (Feb 2024). <https://doi.org/10.48550/ARXIV.2402.13178>
 62. Xu, Z., Li, Y., Ding, R., Wang, X., Chen, B., Jiang, Y., Zheng, H.T., Lu, W., Xie, P., Huang, F.: Let llms take on the latest challenges! a chinese dynamic question answering benchmark (Feb 2024). <https://doi.org/10.48550/ARXIV.2402.19248>
 63. Yang, Z., Qi, P., Zhang, S., Bengio, Y., Cohen, W.W., Salakhutdinov, R., Manning, C.D.: HotpotQA: A dataset for diverse, explainable multi-hop question answering. In: *Conference on Empirical Methods in Natural Language Processing (EMNLP)* (2018)
 64. Yao, J.Y., Ning, K.P., Liu, Z.H., Ning, M.N., Yuan, L.: Llm lies: Hallucinations are not bugs, but features as adversarial examples. *arXiv preprint arXiv:2310.01469* (2023)
 65. Yao, S., Yu, D., Zhao, J., Shafran, I., Griffiths, T.L., Cao, Y., Narasimhan, K.: Tree of Thoughts: Deliberate problem solving with large language models (2023)