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@article{cobbe2021gsm8k,  
  title={Training Verifiers to Solve Math Word Problems},  
  author={Cobbe, Karl and Kosaraju, Vineet and Bavarian, Mohammad  
and Chen, Mark and Jun, Heewoo and Kaiser, Lukasz and Plappert,  
Matthias and Tworek, Jerry and Hilton, Jacob and Nakano, Reiichiro  
and Hesse, Christopher and Schulman, John},  
  journal={arXiv preprint arXiv:2110.14168},  
  year={2021}  
}
```

2.Math

Copyright (c) 2021 Dan Hendrycks

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@article{hendrycksmath2021,  
  title={Measuring Mathematical Problem Solving With the MATH  
Dataset},  
  author={Dan Hendrycks and Collin Burns and Saurav Kadavath and  
Akul Arora and Steven Basart and Eric Tang and Dawn Song and Jacob  
Steinhardt},  
  journal={NeurIPS},  
  year={2021}  
}
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3.MMLU

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@article{hendryckstest2021,  
  title={Measuring Massive Multitask Language Understanding},  
  author={Dan Hendrycks and Collin Burns and Steven Basart and Andy  
Zou and Mantas Mazeika and Dawn Song and Jacob Steinhardt},  
  journal={Proceedings of the International Conference on Learning  
Representations (ICLR)},  
  year={2021}  
}
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@article{hendrycks2021ethics,  
  title={Aligning AI With Shared Human Values},  
  author={Dan Hendrycks and Collin Burns and Steven Basart and  
Andrew Critch and Jerry Li and Dawn Song and Jacob Steinhardt},  
  journal={Proceedings of the International Conference on Learning  
Representations (ICLR)},  
  year={2021}  
}
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4.BBH

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@article{suzgun2022challenging,  
  title={Challenging BIG-Bench Tasks and Whether Chain-of-Thought  
Can Solve Them},  
  author={Suzgun, Mirac and Scales, Nathan and Sch{\`a}rli,  
Nathanael and Gehrmann, Sebastian and Tay, Yi and Chung, Hyung Won  
and Chowdhery, Aakanksha and Le, Quoc V and Chi, Ed H and Zhou,  
Denny and Wei, Jason},  
  journal={arXiv preprint arXiv:2210.09261},  
  year={2022}  
}
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5.HellaSwag

Copyright (c) 2019 Rowan Zellers

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@misc{zellers2019hellaswag,  
  title={HellaSwag: Can a Machine Really Finish Your Sentence?},  
  author={Rowan Zellers and Ari Holtzman and Yonatan Bisk and  
Ali Farhadi and Yejin Choi},  
  year={2019},  
  eprint={1905.07830},  
  archivePrefix={arXiv},  
  primaryClass={cs.CL}  
}
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6.XSum

Copyright (c) 2018 Shashi Narayan

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@misc{narayan2018dont,  
  title={Don't Give Me the Details, Just the Summary! Topic-  
Aware Convolutional Neural Networks for Extreme Summarization},  
  author={Shashi Narayan and Shay B. Cohen and Mirella Lapata},  
  year={2018},  
  eprint={1808.08745},  
  archivePrefix={arXiv},  
  primaryClass={cs.CL}  
}
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7.AGIEval-GaoKao, SAT

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8.AGIEval-LSAT

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@misc{zhong2021arlsat,  
  title={AR-LSAT: Investigating Analytical Reasoning of Text},  
  author={Wanjun Zhong and Siyuan Wang and Duyu Tang and Zenan  
Xu and Daya Guo and Jiahai Wang and Jian Yin and Ming Zhou and Nan  
Duan},  
  year={2021},  
  eprint={2104.06598},  
  archivePrefix={arXiv},  
  primaryClass={cs.CL}
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}

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@article{wang2022lsat,  
  title={From lsat: The progress and challenges of complex  
reasoning},  
  author={Wang, Siyuan and Liu, Zhongkun and Zhong, Wanjun and Zhou,  
Ming and Wei, Zhongyu and Chen, Zhumin and Duan, Nan},  
  journal={IEEE/ACM Transactions on Audio, Speech, and Language  
Processing},  
  year={2022},  
  publisher={IEEE}  
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@article{chen2021codex,  
  title={Evaluating Large Language Models Trained on Code},  
  author={Mark Chen and Jerry Tworek and Heewoo Jun and Qiming Yuan  
and Henrique Ponde de Oliveira Pinto and Jared Kaplan and Harri  
Edwards and Yuri Burda and Nicholas Joseph and Greg Brockman and  
Alex Ray and Raul Puri and Gretchen Krueger and Michael Petrov and  
Heidy Khlaaf and Girish Sastry and Pamela Mishkin and Brooke Chan  
and Scott Gray and Nick Ryder and Mikhail Pavlov and Alethea Power  
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Philippe Tillet and Felipe Petroski Such and Dave Cummings and  
Matthias Plappert and Fotios Chantzis and Elizabeth Barnes and Ariel  
Herbert-Voss and William Hebggen Guss and Alex Nichol and Alex Paino  
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Andrew N. Carr and Jan Leike and Josh Achiam and Vedant Misra and  
Evan Morikawa and Alec Radford and Matthew Knight and Miles Brundage  
and Mira Murati and Katie Mayer and Peter Welinder and Bob McGrew  
and Dario Amodei and Sam McCandlish and Ilya Sutskever and Wojciech  
Zaremba},  
  year={2021},  
  eprint={2107.03374},  
  archivePrefix={arXiv},  
  primaryClass={cs.LG}  
}
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10. AIME 2024

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@article{lightman2023lets,  
  title={Let's Verify Step by Step},  
  author={Lightman, Hunter and Kosaraju, Vineet and Burda, Yura  
and Edwards, Harri and Baker, Bowen and Lee, Teddy and Leike, Jan  
and Schulman, John and Sutskever, Ilya and Cobbe, Karl},  
  journal={arXiv preprint arXiv:2305.20050},  
  year={2023}
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}

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@article{lightman2023lets,
  title={Let's Verify Step by Step},
  author={Lightman, Hunter and Kosaraju, Vineet and Burda, Yura
and Edwards, Harri and Baker, Bowen and Lee, Teddy and Leike, Jan
and Schulman, John and Sutskever, Ilya and Cobbe, Karl},
  journal={arXiv preprint arXiv:2305.20050},
  year={2023}
}
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13. THEOREMQA

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@inproceedings{chen2023theoremqa,
  title={Theoremqa: A theorem-driven question answering dataset},
  author={Chen, Wenhui and Yin, Ming and Ku, Max and Lu, Pan and Wan,
Yixin and Ma, Xueguang and Xu, Jianyu and Wang, Xinyi and Xia,
Tony},
  booktitle={The 2023 Conference on Empirical Methods in Natural
Language Processing},
  year={2023}
}
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@article{chen2023t,  
  title={T-Eval: Evaluating the Tool Utilization Capability Step by  
Step},  
  author={Chen, Zehui and Du, Weihua and Zhang, Wenwei and Liu,  
Kuikun and Liu, Jiangning and Zheng, Miao and Zhuo, Jingming and  
Zhang, Songyang and Lin, Dahua and Chen, Kai and others},  
  journal={arXiv preprint arXiv:2312.14033},  
  year={2023}  
}
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2.TyDiQA

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@article{tydiqa,  
  title = {TyDi QA: A Benchmark for Information-Seeking Question  
Answering in Typologically Diverse Languages},  
  author = {Jonathan H. Clark and Eunsol Choi and Michael Collins and  
Dan Garrette and Tom Kwiatkowski and Vitaly Nikolaev and Jennimaria  
Palomaki}  
  year = {2020},  
  journal = {Transactions of the Association for Computational  
Linguistics}  
}
```

3.MathBench

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@misc{liu2024mathbench,  
  title={MathBench: Evaluating the Theory and Application  
Proficiency of LLMs with a Hierarchical Mathematics Benchmark},  
  author={Hongwei Liu and Zilong Zheng and Yuxuan Qiao and  
Haodong Duan and Zhiwei Fei and Fengzhe Zhou and Wenwei Zhang and  
Songyang Zhang and Dahua Lin and Kai Chen},  
  year={2024},  
  eprint={2405.12209},  
  archivePrefix={arXiv},  
  primaryClass={cs.CL}  
}
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4.math-qa

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@inproceedings{amini-etal-2019-mathqa,  
  title = "{M}ath{QA}: Towards Interpretable Math Word Problem  
Solving with Operation-Based Formalisms",  
  author = "Amini, Aida and  
Gabriel, Saadia and  
Lin, Shanchuan and  
Koncel-Kedziorski, Rik and  
Choi, Yejin and
```

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    Hajishirzi, Hannaneh",
    booktitle = "Proceedings of the 2019 Conference of the North {A}
merican Chapter of the Association for Computational Linguistics:
Human Language Technologies, Volume 1 (Long and Short Papers)",
    month = jun,
    year = "2019",
    address = "Minneapolis, Minnesota",
    publisher = "Association for Computational Linguistics",
    url = "https://aclanthology.org/N19-1245",
    doi = "10.18653/v1/N19-1245",
    pages = "2357--2367",
}

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5.AQuA
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6.GAOKAO-Bench
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```

@inproceedings{Zhang2023EvaluatingTP,
  title={Evaluating the Performance of Large Language Models on
GAOKAO Benchmark},
  author={Xiaotian Zhang and Chunyang Li and Yi Zong and Zhengyu
Ying and Liang He and Xipeng Qiu},
  year={2023}
}

```

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(sylin07@gmail.com), Jacob Hilton, OpenAI (jhilton@openai.com),
Owain Evans, University of Oxford (owaine@gmail.com)

```

@misc{lin2022truthfulgameasuringmodelsmimic,
  title={TruthfulQA: Measuring How Models Mimic Human
Falsehoods},
  author={Stephanie Lin and Jacob Hilton and Owain Evans},
  year={2022},
  eprint={2109.07958},
  archivePrefix={arXiv},
  primaryClass={cs.CL},
  url={https://arxiv.org/abs/2109.07958},
}

```

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https://huggingface.co/datasets/allenai/ai2_arc

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@misc{clark2018think,  
      title={Think you have Solved Question Answering? Try ARC, the  
AI2 Reasoning Challenge},  
      author={Peter Clark and Isaac Cowhey and Oren Etzioni and  
Tushar Khot and Ashish Sabharwal and Carissa Schoenick and Oyvind  
Tafjord},  
      year={2018},  
      eprint={1803.05457},  
      archivePrefix={arXiv},  
      primaryClass={cs.AI}  
}
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2. ARC-E

https://huggingface.co/datasets/allenai/ai2_arc

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@misc{clark2018think,  
      title={Think you have Solved Question Answering? Try ARC, the  
AI2 Reasoning Challenge},  
      author={Peter Clark and Isaac Cowhey and Oren Etzioni and  
Tushar Khot and Ashish Sabharwal and Carissa Schoenick and Oyvind  
Tafjord},  
      year={2018},  
      eprint={1803.05457},  
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        primaryClass={cs.AI}
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3. HOTPOTQA

<https://github.com/hotpotqa/hotpot/blob/master/README.md#data-download-and-preprocessing>

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<https://github.com/google-research/google-research/tree/master/mbpp>

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```
@article{austin2021program,  
  title={Program Synthesis with Large Language Models},  
  author={Austin, Jacob and Odena, Augustus and Nye, Maxwell and  
Bosma, Maarten and Michalewski, Henryk and Dohan, David and Jiang,  
Ellen and Cai, Carrie and Terry, Michael and Le, Quoc and others},  
  journal={arXiv preprint arXiv:2108.07732},  
  year={2021}}
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2. GPQA Diamond

<https://github.com/idavidrein/gpqa/blob/main/dataset.zip>

GPQA (c) by Irving David Rein

```
@inproceedings{rein2024gpqa,  
  title={{GPQA}: A Graduate-Level Google-Proof Q\&A Benchmark},  
  author={David Rein and Betty Li Hou and Asa Cooper Stickland  
and Jackson Petty and Richard Yuanzhe Pang and Julien Dirani and  
Julian Michael and Samuel R. Bowman},  
  booktitle={First Conference on Language Modeling},  
  year={2024},  
  url={https://openreview.net/forum?id=Ti67584b98}  
}
```

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<https://github.com/idavidrein/gpqa/blob/main/dataset.zip>

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@inproceedings{rein2024gpqa,  
  title={{GPQA}: A Graduate-Level Google-Proof Q\&A Benchmark},  
  author={David Rein and Betty Li Hou and Asa Cooper Stickland  
and Jackson Petty and Richard Yuanzhe Pang and Julien Dirani and  
Julian Michael and Samuel R. Bowman},  
  booktitle={First Conference on Language Modeling},  
  year={2024},  
  url={https://openreview.net/forum?id=Ti67584b98}  
}
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4. IF-EVAL

https://github.com/google-research/google-research/tree/master/instruction_following_eval/data

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```
@article{zhou2023instruction,  
  title={Instruction-Following Evaluation for Large Language  
Models},  
  author={Zhou, Jeffrey and Lu, Tianjian and Mishra, Swaroop and  
Brahma, Siddhartha and Basu, Sujoy and Luan, Yi and Zhou, Denny and  
Hou, Le},  
  journal={arXiv preprint arXiv:2311.07911},  
  year={2023}  
}
```

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