作业

基础作业

• 使用 OpenCompass 评测 InternLM2-Chat-7B 模型在 C-Eval 数据集上的性能

进阶作业

• 使用 OpenCompass 评测 InternLM2-Chat-7B 模型使用 LMDeploy 0.2.0 部署后在 C-Eval 数据集上的性能

备注:由于进阶作业较难,完成基础作业之后就可以先提交作业了,在后续的大作业项目中使用这些技术将作为重要的加分点!

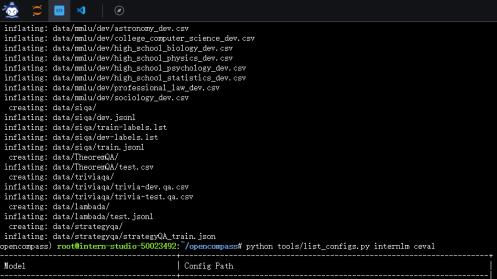
整体实训营项目:

时间周期:即日起致课程结束

即日开始可以在班级群中随机组队完成一个大作业项目,一些可提供的选题如下:

- 人情世故大模型: 一个帮助用户撰写新年祝福文案的人情事故大模型
- 中小学数学大模型: 一个拥有一定数学解题能力的大模型
- 心理大模型: 一个治愈的心理大模型
- 工具调用类项目: 结合 Lagent 构建数据集训练 InternLM 模型, 支持对 MMYOLO 等工具的调用

其他基于书生·浦语工具链的小项目都在范围内,欢迎大家充分发挥想象力。



CPU 11.2%

GPU-1: 30% Nvidia A100 0%

内存 0.61 / 72 GB 0.85% 显存 0 / 24566 MiB 0%

1

~

Mode1	Config Path
hf_intern1m2_1_8b	configs/models/hf_internlm/hf_internlm2_1_8b.py
hf_intern1m2_20b	configs/models/hf_internlm/hf_internlm2_20b.py
hf_intern1m2_7b	configs/models/hf_internlm/hf_internlm2_7b.py
hf_intern1m2_base_20b	configs/models/hf_internlm/hf_internlm2_base_20b.py
hf_intern1m2_base_7b	configs/models/hf_internlm/hf_internlm2_base_7b.py
hf_intern1m2_chat_1_8b	configs/models/hf_internlm/hf_internlm2_chat_1_8b.py
hf_intern1m2_chat_1_8b_sft	configs/models/hf_internlm/hf_internlm2_chat_1_8b_sft.py
hf_intern1m2_chat_20b	configs/models/hf_internlm/hf_internlm2_chat_20b.py
hf_intern1m2_chat_20b_sft	configs/models/hf_internlm/hf_internlm2_chat_20b_sft.py
hf_intern1m2_chat_20b_with_system	configs/models/hf_intern1m/hf_intern1m2_chat_20b_with_system.py
hf_intern1m2_chat_7b	configs/models/hf_intern1m/hf_intern1m2_chat_7b.py
hf_internlm2_chat_7b_sft	configs/models/hf_intern1m/hf_intern1m2_chat_7b_sft.py
hf_intern1m2_chat_7b_with_system	configs/models/hf_intern1m/hf_intern1m2_chat_7b_with_system.py
hf_intern1m2_chat_math_20b	configs/models/hf_internlm/hf_internlm2_chat_math_20b.py
hf_intern1m2_chat_math_20b_with_system	configs/models/hf_internlm/hf_internlm2_chat_math_20b_with_system.py
hf_intern1m2_chat_math_7b	configs/models/hf_internlm/hf_internlm2_chat_math_7b.py
hf_intern1m2_chat_math_7b_with_system	configs/models/hf_internlm/hf_internlm2_chat_math_7b_with_system.py
hf_intern1m_20b	configs/models/hf_internlm/hf_internlm_20b.py
hf_intern1m_7b	configs/models/hf_internlm/hf_internlm_7b.py
hf_intern1m_chat_20b	configs/models/hf_internlm/hf_internlm_chat_20b.py
hf_internlm_chat_7b	configs/models/hf_internlm/hf_internlm_chat_7b.py
hf_intern1m_chat_7b_8k	configs/models/hf_internlm/hf_internlm_chat_7b_8k.py
hf_intern1m_chat_7b_v1_1	configs/models/hf_internlm/hf_internlm_chat_7b_v1_1.py
internlm_7b	configs/models/internlm/internlm_7b.py
1mdeploy_intern1m2_chat_20b	configs/models/hf_internlm/1mdeploy_internlm2_chat_20b.py
lmdeploy_intern1m2_chat_7b	configs/models/hf_internlm/1mdeploy_internlm2_chat_7b.py
ms_intern1m_chat_7b_8k	configs/models/ms_internlm/ms_internlm_chat_7b_8k.py

Dataset Config Path ceval_clean_ppl configs/datasets/ceval/ceval_clean_ppl.py ceval_contamination_ppl_810ec6 | configs/datasets/contamination/ceval_contamination_ppl_810ec6.py ceval_gen configs/datasets/ceval/ceval_gen.py ceval_gen_2daf24 configs/datasets/ceva1/ceva1_gen_2daf24.py ceval_gen_5f30c7 configs/datasets/ceval/ceval_gen_5f30c7.py ceval_internal_pp1_1cd8bf configs/datasets/ceval/ceval_internal_ppl_lcd8bf.py configs/datasets/ceval/ceval_ppl.py ceval_pp1 configs/datasets/ceval/ceval_pp1_1cd8bf.py configs/datasets/ceval/ceval_pp1_578f8d.py ceval_ppl_1cd8bf ceval_ppl_578f8d ceval_pp1_93e5ce configs/datasets/ceval/ceval_pp1_93e5ce.py ceval_zero_shot_gen_bd40ef configs/datasets/ceval/ceval_zero_shot_gen_bd40ef.py

(opencompass) root@intern-studio-50023492:~/opencompass# [

启动评测

【评测 InternLM-Chat-7B 模型在 C-Eval 数据集上的性能。由于 OpenCompass 默认并行启动评估过程,我们可以在第一次运行时以 --debug 模式启动评估,并检查是否存在问题。在 --debug 模式下,任务将按顺序执行,并实时打印输出】

- --datasets ceval gen \
- --hf-path /share/temp/model_repos/internlm-chat-7b/\ # HuggingFace 模型路径
- --tokenizer-path /share/temp/model_repos/internlm-chat-7b/ \ # HuggingFace tokenizer 路径 (如果与模型路径相同,可以省略)
- --tokenizer-kwargs padding_side='left' truncation='left' trust_remote_code=True \ # 构建 tokenizer 的参数
- --model-kwargs device_map='auto' trust_remote_code=True \ # 构建模型的参数
- --max-seq-len 2048 \ # 模型可以接受的最大序列长度
- --max-out-len 16 \ # 生成的最大 token 数
- --batch-size 2 \ # 批量大小
- --num-gpus 1 # 运行模型所需的 GPU 数量
- --debug

CPU 17.39% GPU-1: 30% Nvidia A100 09 ~ 内存 0.96 / 72 GB 1.33% 显存 0 / 24566 MiB 0% 04/25 18:25:47 - OpenCompass - DEBUC - Task 47: [opencompass.models.huggingface.HuggingFace_model_repos_internlm-chat-7b/ceval-accountant] 4/25 18:25:47 - OpenCompass - DEBUG - Task 48: [opencompass.models.huggingface.HuggingFace_model_repos_internlm-chat-7b/ceval-fire_engineer] 04/25 18:25:47 - OpenCompass - DERNE - Task 49: [opencompass.models.huggingface.Huggingface_model_repos_internlm-chat-7b/ceval_environmental_impact_assessment_engineer] 04/25 18:25:47 - OpenCompass - DEBUG - Task 50: [opencompass.models.huggingface.HuggingFace_model_repos_intern1m-chat-7b/ceval-tax_accountant] 4/25 18:25:47 - OpenCompass - DEBUG - Task 51: [opencompass.models.huggingface.HuggingFace_model_repos_internlm-chat-7b/ceval-physician] 4/25 18:25:47 - OpenCompass - DEBUG - Get class `LocalRunner` from "runner" registry in "opencompass" 4/25 18:25:47 - OpenCompass - DEBUG - An `LocalRurner` instance is built from registry, and its implementation can be found in opencompass.runners.local 04/25 18:25:47 - OpenCompass - DEBUG - Get class `OpenICLEvalTask` from "task" registry in "opencompass" 04/25 18:25:47 - OpenCompass - DEBUG - An OpenICLEvalTask instance is built from registry, and its implementation can be found in opencompass tasks openicl_eval 04/25 18:25:49 - OpenCompass - DEBUC - Get class CEvalDataset from "load_dataset" registry in "opencompass" 04/25 18:25:49 - OpenCompass - DEBUG - An `CEvalDataset` instance is built from registry, and its implementation can be found in opencompass datasets ceval 04/25 18:25:49 - OpenCompass - 📙 R - /root/opencompass/opencompass/tasks/openic1_eval.py - _score - 239 - Task [opencompass.models.huggingface.HuggingFace_model_repos_internlm-chat-7b/ceval-computer_ network]: No predictions found. 04/25_18:25:49 - OpenCompass - <u>DEBUG</u> - Get class `OpenICLEvalTask` from "task" registry in "opencompass" 4/25 18:25:49 - OpenCompass - DEBUG - An `OpenICLEvalTask` instance is built from registry, and its implementation can be found in opencompass tasks openicl_eval 04/25 18:25:51 - OpenCompass - DEBUC - Get class `CEvalDataset` from "1oad_dataset" registry in "opencompass" 04/25 18:25:51 - OpenCompass - DEBUG - An `CEvalDataset` instance is built from registry, and its implementation can be found in opencompass datasets ceval 04/25 18:25:51 - OpenCompass - E 🖁 - /root/opencompass/opencompass/tasks/openicl_eval.py - _score - 239 - Task [opencompass.models.huggingface.HuggingFace_model_repos_internlm-chat-7b/ceval-operating _system]: No predictions found. 04/25 18:25:51 - OpenCompass - DEBUG - Get class `OpenICLBvalTask` from "task" registry in "opencompass" 04/25 18:25:51 - OpenCompass - DERUG - An `OpenICLEvalTask` instance is built from registry, and its implementation can be found in opencompass tasks openicl_eval 04/25 18:25:53 - OpenCompass - <u>DEBUG</u> - Get class `CEvalDataset` from "1oad_dataset" registry in "opencompass" 04/25 18:25:53 - OpenCompass - DEBUG - An `CEvalDataset` instance is built from registry, and its implementation can be found in opencompass datasets ceval 04/25 18:25:53 - OpenCompass - 🔣 🖟 - /root/opencompass/opencompass/tasks/openicl_eval.py - _score - 239 - Task [opencompass.models.huggingface.HuggingFace_model_repos_internlm-chat-7b/ceval-computer_ architecture]: No predictions found. 04/25 18:25:53 - OpenCompass - <u>DEBUG</u> - Get class `OpenICLEvalTask` from "task" <u>registry in "opencompass"</u> 14/25 18:25:53 - OpenCompass - DEBUG - An OpenICLEvalTask instance is built from registry, and its implementation can be found in opencompass tasks openicl_eval 04/25 18:25:55 - OpenCompass - <u>DEBUC</u> - Get class `CEvalDataset` from "load_dataset" registry in "opencompass" 14/25 18:25:55 - OpenCompass - DEBUG - An `CEvalDataset` instance is built from registry, and its implementation can be found in opencompass datasets ceval 04/25 18:25:55 - OpenCompass - 🔣 🤾 - /root/opencompass/opencompass/tasks/openic1_eval.py - _score - 239 - Task [opencompass.models.huggingface.HuggingFace_model_repos_internlm-chat-7b/ceval-college_r ogramming]: No predictions found. 4/25 18:25:55 - OpenCompass - DEBUG - Get class `OpenICLEvalTask` from "task" registry in "opencompass" 04/25 18:25:55 - OpenCompass - DEBUG - An OpenICLEvalTask instance is built from registry, and its implementation can be found in opencompass tasks openicl_eval 04/25 18:25:57 - OpenCompass - DEBUG - Get class `CEvalDataset` from "load dataset" registry in "opencompass" 04/25 18:25:57 - OpenCompass - DEBUG - An `CEvalDataset` instance is built from registry, and its implementation can be found in opencompass datasets ceval 04/25 18:25:57 - OpenCompass - 🖪 - /root/opencompass/opencompass/tasks/openicl_eval.py - _score - 239 - Task [opencompass.models.huggingface.HuggingFace_model_repos_intern1m-chat-7b/ceval-college_r nysics]: No predictions found. 4/25 18:25:57 - OpenCompass - <u>DERUG</u> - Get class `OpenICLBvalTask` from "task" registry in "opencompass" 4/25 18:25:57 - OpenCompass - DEBUG - An `OpenICLEvalTask` instance is built from registry, and its implementation can be found in opencompass tasks openicl_eval 4/25 18:25:59 - OpenCompass - DEBUG - Get class `CEvalDataset` from "load_dataset" registry in "opencompass" 4/25 18:25:59 - OpenCompass - DEBUG - An `CEvalDataset` instance is built from registry, and its implementation can be found in opencompass datasets ceval 4/25 18:25:59 - OpenCompass - 1 🖟 - /root/opencompass/opencompass/tasks/openicl_eval.py - _score - 239 - Task [opencompass.models.huggingface.Huggingface_model_repos_internlm-chat-7b/ceval-college_ hemistry]: No predictions found. <u> 04/25 18:25:59 - OpenCompass - DEBUG</u> - Get class `OpenICLEvalTask` from "task" registry in "opencompass" 14/25 18:25:59 - OpenCompass - DEBUG - An OpenICLEvalTask instance is built from registry, and its implementation can be found in opencompass tasks openicl_eval 04/25 18:26:00 - OpenCompass - DEBUG - Get class `CEvalDataset` from "1oad_dataset" registry in "opencompass" 4/25 18:26:00 - OpenCompass - DEBUG - An CBvalDataset instance is built from registry, and its implementation can be found in opencompass datasets ceval 04/25 18:26:00 - OpenCompass - 🔣 ጩ - /root/opencompass/opencompass/tasks/openicl_eval.py - _score - 239 - Task [opencompass.models.huggingface.HuggingFace_model_repos_intern1m-chat-7b/ceval-advanced athematics]: No predictions found. 04/25 18:26:00 - OpenCompass - DEBUC - Get class `OpenICLEvalTask` from "task" registry in "opencompass" 04/25 18:26:00 - OpenCompass - DEBUG - An OpenICLEvalTask instance is built from registry, and its implementation can be found in opencompass tasks openicl_eval 04/25 18:26:03 - OpenCompass - DEBUG - Get class `CEvalDataset` from "load_dataset" registry in "opencompass" 04/25 18:26:03 - OpenCompass - DEBUG - An `CEvalDataset` instance is built from registry, and its implementation can be found in opencompass datasets ceval 04/25 18:26:03 - OpenCompass -🦹 - /root/opencompass/opencompass/tasks/openicl_eval.py - _score - 239 - Task [opencompass.models.huggingface.Huggingface_model_repos_internlm-chat-7b/ceval-probabili ty_and_statistics]: No predictions found. 04/25 18:26:03 - OpenCompass - <u>DEBUG</u> - Get class `OpenICLEvalTask` from "task" registry in "opencompass" 04/25 18:26:03 - OpenCompass - DEBUG - An `OpenICLEvalTask` instance is built from registry, and its implementation can be found in opencompass tasks openicl eval 04/25_18:26:04 - OpenCompass - DEBUC - Get class `CEvalDataset` from "load_dataset" registry in "opencompass" 14/25 18:26:04 - OpenCompass - DEBUG - An `CEvalDataset` instance is built from registry, and its implementation can be found in opencompass datasets ceval 04/25 18:26:04 - OpenCompass - ER 🔐 - /root/opencompass/opencompass/tasks/openicl_eval.py - _score - 239 - Task [opencompass.models.huggingface.HuggingFace_model_repos_internlm-chat-7b/ceval-discrete_ mathematics]: No predictions found. 04/25 18:26:04 - OpenCompass - <u>DEBUG</u> - Get class `OpenICLEvalTask` from "task" registry in "opencompass" 04/25 18:26:04 - OpenCompass - DEBUG - An OpenICLEvalTask instance is built from registry, and its implementation can be found in opencompass tasks openicl_eval 04/25 18:26:06 - OpenCompass - DEBUG - Get class `CEvalDataset` from "load_dataset" registry in "opencompass" 4/25 18:26:07 - OpenCompass - DEBUG - An `CEvalDataset` instance is built from registry, and its implementation can be found in opencompass datasets ceval 04/25 18:26:07 - OpenCompass - 🖪 - /root/opencompass/opencompass/tasks/openicl_eval.py - _score - 239 - Task [opencompass.models.huggingface.Huggingface_model_repos_internlm-chat-7b/ceval-electrica engineer]: No predictions found. 4/25 18:26:07 - OpenCompass - DEBUG - Get class `OpenICLBvalTask` from "task" registry in "opencompass" 4/25 18:26:07 - OpenCompass - DEBUG - An `OpenICLEvalTask` instance is built from registry, and its implementation can be found in opencompass tasks.openicl_eval

CPU 34.03% GPU-1: 30% Nvidia A100 0% (I) **~** 内存 0.94 / 72 GB 1.31% 显存 0 / 24566 MiB 0% 04/25 18:27:26 - OpenCompass - DEBUG - An `OpenICLEvalTask` instance is built from registry, and its implementation can be found in opencompass tasks openicl_eval 04/25 18:27:28 - OpenCompass - DEBUC - Get class `CEvalDataset` from "1oad_dataset" registry in "opencompass" 04/25 18:27:28 - OpenCompass - DEBUG - An `CEvalDataset` instance is built from registry, and its implementation can be found in opencompass datasets ceval 04/25 18:27:28 - OpenCompass - EKNOK - /root/opencompass/opencompass/tasks/openicl_eval.py - _score - 239 - Task [opencompass.models.huggingface.Huggingface_model_repos_internlm-chat-7b/ceval-tax_accou ntant]: No predictions found. 04/25 18:27:28 - OpenCompass - DEBUG - Get class `OpenICLEvalTask` from "task" registry in "opencompass" 04/25 18:27:28 - OpenCompass - DEBUG - An OpenICLEvalTask instance is built from registry, and its implementation can be found in opencompass tasks openicl_eval 04/25 18:27:30 - OpenCompass - DEBUC - Get class CEvalDataset from "load dataset" registry in "opencompass" 04/25 18:27:30 - OpenCompass - DEBUG - An `CEvalDataset` instance is built from registry, and its implementation can be found in opencompass datasets ceval 04/25 18:27:30 - OpenCompass - ERROR - /root/opencompass/opencompass/tasks/openicl_eval.py - _score - 239 - Task [opencompass.models.huggingface.Huggingface_model_repos_internlm-chat-7b/ceval-physician : No predictions found. 4/25 18:27:30 - OpenCompass - DEBUG - An DefaultSummarizer instance is built from registry, and its implementation can be found in opencompass.summarizers.default dataset version metric mode opencompass.models.huggingface.HuggingFace_model_repos_internlm-chat-7b eval-computer_network eval-operating_system ceval-operating_system - - ceval-computer_architecture - ceval-college_programming - ceval-college_physics ceval-college_chemistry ceval-advanced_mathematics ceval-probability_and_statistics ceval-college_chemistry ceval-discrete_mathematics ceval-electrical_engineer ceval-metrology_engineer ceval-high school mathematics ceval-high school physics ceval-high_school_chemistry ceval-high_school_biology ceval-middle_school_mathematics ceval-middle_school_biology ceval-middle_school_physics ceval-middle_school_chemistry eval-veterinary_medicine eval-college_economics ceval-business_administration eval-marxism ceval-mao_zedong_thought ceval-education_science ceval-teacher_qualification ceval-high_school_politics ceval-high school geography ceval-middle_school_politics ceval-middle_school_geography ceval-modern chinese history ceval-ideological_and_moral_cultivation eval-logic ceval-law ceval-chinese_language_and_literature - - ceval-art_studies ceval-professional_tour_guide ceval-legal_professional ceval-high_school_chinese ceval-high_school_history ceval-middle_school_history ceval-civil_servant ceval-sports science ceval-plant_protection ceval-basic medicine ceval-clinical medicine ceval-urban_and_rural_planner ceval-accountant ceval-fire_engineer eval-environmental_impact_assessment_engineer eval-tax accountant ceval-physician 04/25 18:27:30 - OpenCompass - INFO - write summary to /root/opencompass/outputs/default/20240425_182534/summary/summary_20240425_182534.txt 4/25 18:27:30 - OpenCompass - INFO - write csv to /root/opencompass/outputs/default/20240425_182534/summary/summary_20240425_182534.csv (opencompass) root@intern-studio-50023492:~/opencompass# opencompass) root@intern-studio-50023492: /opencompass# [

