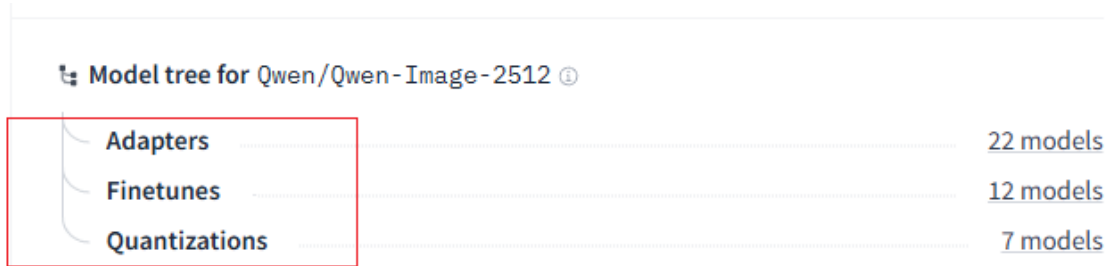


Exploration of Classification Rules for Hugging Face Model Tree

I . Background

There are numerous models on Hugging Face, each with its corresponding model tree. The model tree generally includes three types of labels as well as a merge flag (indicating whether the model is merged). For example:



| Model tree for Qwen/Qwen-Image-2512 ⓘ | |
|---------------------------------------|---------------------------|
| Adapters | 22 models |
| Finetunes | 12 models |
| Quantizations | 7 models |

This study explores the classification relationships of the aforementioned labels (flags) on the platform.

II . Implementation Approach

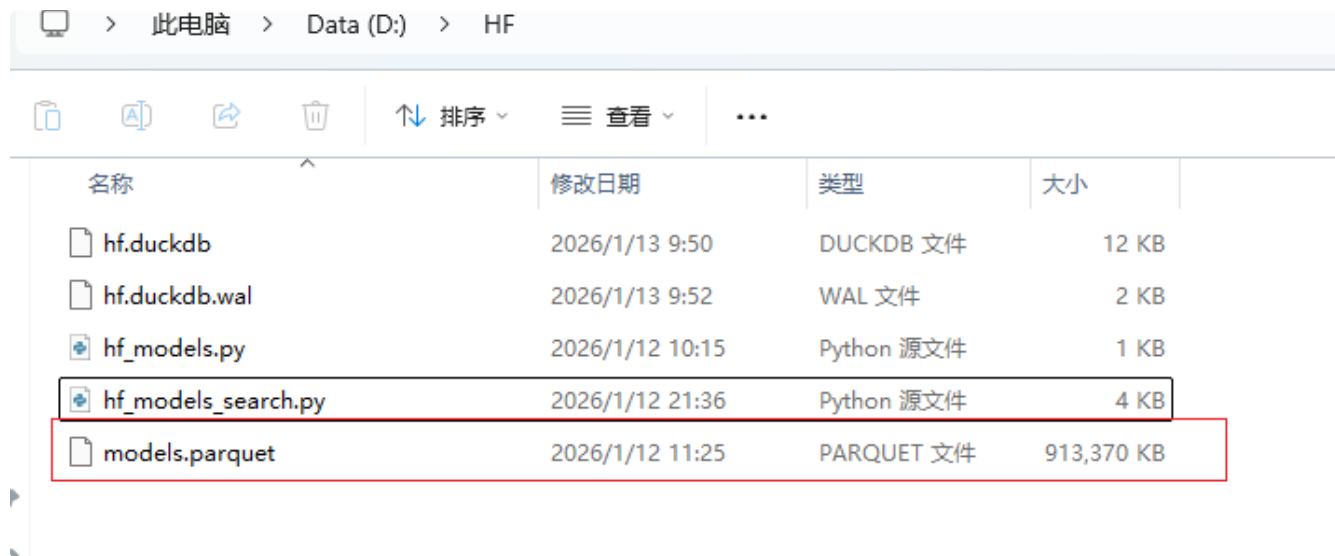
Obtain the HF statistical information database compiled officially by Hugging Face for models:

<https://huggingface.co/datasets/cfahlgren1/hub-stats>

Python

```
1 # 获取所有模型数据
2 import pandas as pd
3
4 df = pd.read_parquet(
5     "hf://datasets/cfahlgren1/hub-stats/models.parquet"
6 )
7
8 df.to_parquet(
9     "models.parquet",
10    engine="pyarrow",
11    index=False
12 )
```

A `models.parquet` file will be generated locally.



| 名称 | 修改日期 | 类型 | 大小 |
|---------------------|-----------------|------------|------------|
| hf.duckdb | 2026/1/13 9:50 | DUCKDB 文件 | 12 KB |
| hf.duckdb.wal | 2026/1/13 9:52 | WAL 文件 | 2 KB |
| hf_models.py | 2026/1/12 10:15 | Python 源文件 | 1 KB |
| hf_models_search.py | 2026/1/12 21:36 | Python 源文件 | 4 KB |
| models.parquet | 2026/1/12 11:25 | PARQUET 文件 | 913,370 KB |

Visualize and review the dataDownload database software:

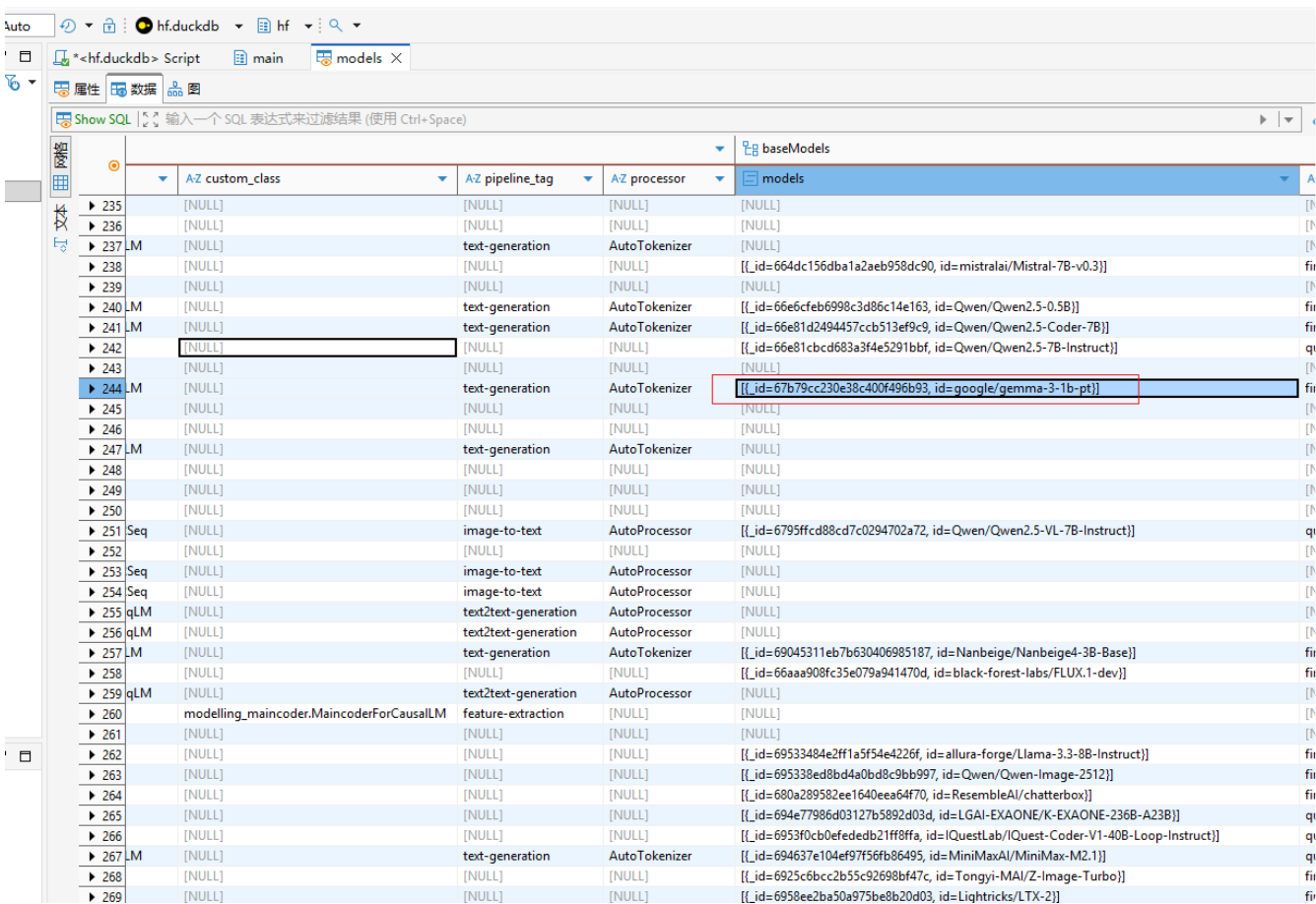
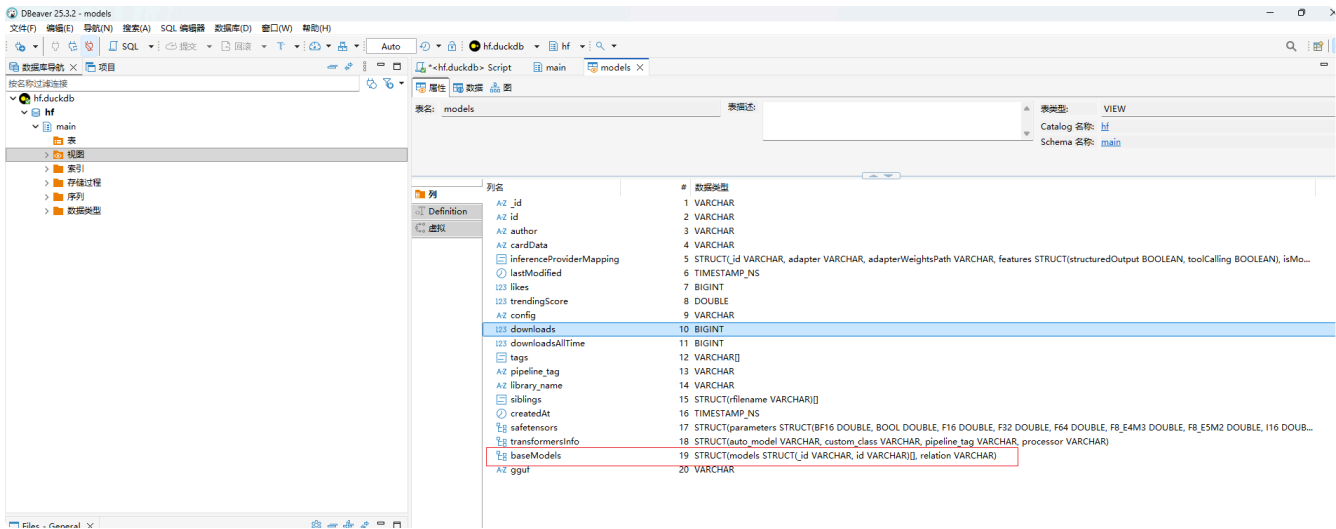
① Install DuckDB

- <https://duckdb.org/docs/installation/>

② Install DBeaver Community

- <https://dbeaver.io/>

The data can be viewed as follows:



III. Exploring Correlative Relationships



Changelog

NEW Changes July 25th

- added `baseModels` field to models which shows the models that the user tagged as base models for that model

Example:

```
{
  "models": [
    {
      "_id": "687de260234339fed21e768a",
      "id": "Qwen/Qwen3-235B-A22B-Instruct-2507"
    }
  ],
  "relation": "quantized"
}
```

NEW Changes July 9th

- Fixed issue with `gguf` column with integer overflow causing import pipeline to be broken over a few weeks

3.1 baseModels

According to the logs, `baseModels` is newly added data starting from July 25, 2025, which is filled in by users voluntarily. After reviewing the data, it was found that a small amount of `baseModels` data also had values before this date, which were derived from the `cardData` field. For example:

1. Models without the `baseModel` field

`cardData`:

C/C++

```
1 {"license": "apache-2.0", "tags": ["generated_from_trainer"], "model_index": [{"name": "PENGMENGJIE-finetuned-emotion", "results": [{"task": {"name": "Text Classification", "type": "text-classification"}}]}]}
```

Its corresponding `baseModel`

hf.duckdb> Script main models X

属性 数据 图

SELECT m.* FROM hf.main.models AS m ORDER BY m.cre; 输入一个 SQL 表达式来过滤结果 (使用 Ctrl+Space)

| | class | AZ pipeline_tag | AZ processor | baseModels | AZ relation | AZ gguf |
|-----|-------|------------------------|---------------|--|-------------|---------|
| 170 | | text-generation | AutoTokenizer | [NULL] | [NULL] | [NULL] |
| 171 | | [NULL] | [NULL] | [NULL] | [NULL] | [NULL] |
| 172 | | text-generation | AutoTokenizer | [NULL] | [NULL] | [NULL] |
| 173 | | fill-mask | AutoTokenizer | [NULL] | [NULL] | [NULL] |
| 174 | | text-generation | AutoTokenizer | [NULL] | [NULL] | [NULL] |
| 175 | | [NULL] | [NULL] | [NULL] | [NULL] | [NULL] |
| 176 | | [NULL] | [NULL] | [NULL] | [NULL] | [NULL] |
| 177 | | automatic-speech-recog | AutoProcessor | [NULL] | [NULL] | [NULL] |
| 178 | | automatic-speech-recog | AutoProcessor | [NULL] | [NULL] | [NULL] |
| 179 | | [NULL] | [NULL] | [NULL] | [NULL] | [NULL] |
| 180 | | automatic-speech-recog | AutoProcessor | [NULL] | [NULL] | [NULL] |
| 181 | | fill-mask | AutoTokenizer | [NULL] | [NULL] | [NULL] |
| 182 | | fill-mask | AutoTokenizer | [NULL] | [NULL] | [NULL] |
| 183 | | [NULL] | [NULL] | [NULL] | [NULL] | [NULL] |
| 184 | | [NULL] | [NULL] | [NULL] | [NULL] | [NULL] |
| 185 | | [NULL] | [NULL] | [NULL] | [NULL] | [NULL] |
| 186 | | text2text-generation | AutoTokenizer | [NULL] | [NULL] | [NULL] |
| 187 | | text2text-generation | AutoTokenizer | [[_id=621ffdc136468d709f17b862, id=gsarti/it5-base]] | finetune | [NULL] |
| 188 | | text2text-generation | AutoTokenizer | [[_id=621ffdc136468d709f17b862, id=gsarti/it5-base]] | finetune | [NULL] |
| 189 | | text2text-generation | AutoTokenizer | [[_id=621ffdc136468d709f17b862, id=gsarti/it5-base]] | finetune | [NULL] |
| 190 | | text2text-generation | AutoTokenizer | [[_id=621ffdc136468d709f17ae06, id=facebook/mbart-large-cc25]] | finetune | [NULL] |
| 191 | | text2text-generation | AutoTokenizer | [[_id=621ffdc136468d709f17ae06, id=facebook/mbart-large-cc25]] | finetune | [NULL] |
| 192 | | text2text-generation | AutoTokenizer | [[_id=621ffdc136468d709f17ae06, id=facebook/mbart-large-cc25]] | finetune | [NULL] |
| 193 | | text-classification | AutoTokenizer | [NULL] | [NULL] | [NULL] |
| 194 | | [NULL] | [NULL] | [NULL] | [NULL] | [NULL] |
| 195 | | [NULL] | [NULL] | [NULL] | [NULL] | [NULL] |
| 196 | | text-classification | AutoTokenizer | [NULL] | [NULL] | [NULL] |
| 197 | | text-classification | AutoTokenizer | [NULL] | [NULL] | [NULL] |

Models with the `baseModel` field

cardData:

C/C++

```
1 {"language": ["it"], "tags": ["summarization"], "datasets": ["ARTELab/mlsum-it"], "metrics": ["rouge"], "base_model": "facebook/mbart-large-cc25", "model-index": [{"name": "summarization_mbart_mlsum", "results": []}]}
```

Its corresponding `baseModel` :

属性 数据 图

SELECT m.* FROM hf.main.models AS m ORDER BY m.cre | 输入一个 SQL 表达式来过滤结果 (使用 Ctrl+Space)

| | AZ pipeline_tag | AZ processor | baseModels | AZ relation | AZ gguf |
|-------|------------------------|---------------|--|-------------|---------|
| ▶ 170 | text-generation | AutoTokenizer | [NULL] | [NULL] | [NULL] |
| ▶ 171 | [NULL] | [NULL] | [NULL] | [NULL] | [NULL] |
| ▶ 172 | text-generation | AutoTokenizer | [NULL] | [NULL] | [NULL] |
| ▶ 173 | fill-mask | AutoTokenizer | [NULL] | [NULL] | [NULL] |
| ▶ 174 | text-generation | AutoTokenizer | [NULL] | [NULL] | [NULL] |
| ▶ 175 | [NULL] | [NULL] | [NULL] | [NULL] | [NULL] |
| ▶ 176 | [NULL] | [NULL] | [NULL] | [NULL] | [NULL] |
| ▶ 177 | automatic-speech-recog | AutoProcessor | [NULL] | [NULL] | [NULL] |
| ▶ 178 | automatic-speech-recog | AutoProcessor | [NULL] | [NULL] | [NULL] |
| ▶ 179 | [NULL] | [NULL] | [NULL] | [NULL] | [NULL] |
| ▶ 180 | automatic-speech-recog | AutoProcessor | [NULL] | [NULL] | [NULL] |
| ▶ 181 | fill-mask | AutoTokenizer | [NULL] | [NULL] | [NULL] |
| ▶ 182 | fill-mask | AutoTokenizer | [NULL] | [NULL] | [NULL] |
| ▶ 183 | [NULL] | [NULL] | [NULL] | [NULL] | [NULL] |
| ▶ 184 | [NULL] | [NULL] | [NULL] | [NULL] | [NULL] |
| ▶ 185 | [NULL] | [NULL] | [NULL] | [NULL] | [NULL] |
| ▶ 186 | text2text-generation | AutoTokenizer | [NULL] | [NULL] | [NULL] |
| ▶ 187 | text2text-generation | AutoTokenizer | [_id=621ffdc136468d709f17b862, id=gsarti/it5-base] | finetune | [NULL] |
| ▶ 188 | text2text-generation | AutoTokenizer | [_id=621ffdc136468d709f17b862, id=gsarti/it5-base] | finetune | [NULL] |
| ▶ 189 | text2text-generation | AutoTokenizer | [_id=621ffdc136468d709f17b862, id=gsarti/it5-base] | finetune | [NULL] |
| ▶ 190 | text2text-generation | AutoTokenizer | [_id=621ffdc136468d709f17ae06, id=facebook/mbart-large-cc25] | finetune | [NULL] |
| ▶ 191 | text2text-generation | AutoTokenizer | [_id=621ffdc136468d709f17ae06, id=facebook/mbart-large-cc25] | finetune | [NULL] |
| ▶ 192 | text2text-generation | AutoTokenizer | [_id=621ffdc136468d709f17ae06, id=facebook/mbart-large-cc25] | finetune | [NULL] |
| ▶ 193 | text-classification | AutoTokenizer | [NULL] | [NULL] | [NULL] |

3.2 relation

finetune、adapter、quantized

Take ten entries for each of the three types of labels:



finetune.csv

文件大小: 65.7 KB



quantized.csv

文件大小: 86.21 KB



adapter.csv

文件大小: 16.64 KB

① finetune:

cardData.base_model must exist.

tags almost certainly contain:

base_model:xxx

base_model:finetune:xxx

The complete weights (not adapters) are in the repo.

Reverse inference rules:



if:

- `cardData.base_model` exists
- The model has complete weights (not LoRA / not adapters)

then:

relation = finetune

② adapter:

`tags` contain:

lora

adapter

peft

In the repo files:

No complete `model.safetensors` exists

Only adapter weights (e.g., `adapter_model.safetensors`) are present

baseModels.relation = adapter

Reverse inference rules:



if:

- `cardData.base_model` exists
- The `tags` / repo structure indicates it is PEFT / LoRA

then:

relation = adapter

③ **quantized:**

`tags` contain:

quantized

gguf

int8, int4, 4bit, 8bit

Strong characteristic features in filenames:

*.gguf

int8.safetensors

baseModels.relation = quantized

Reverse inference rules:



if:

- `cardData.base_model` exists
- The `tags` or filenames indicate it is a quantized version

then:

relation = quantized

IV. Verify the aforementioned hypotheses

4.1 Whether `finetune` truly represents "fine-tune"

SQL

```
1 SELECT
2   baseModels.relation,
3   COUNT(*) AS cnt,
4   SUM(
5     CASE
6       WHEN list_contains(tags, 'lora')
7       OR list_contains(tags, 'adapter')
8       OR list_contains(tags, 'peft')
9       THEN 1 ELSE 0
10    ) AS suspicious_adapter_like
12 FROM models
13 WHERE baseModels.relation = 'finetune'
14 GROUP BY baseModels.relation;
15
```

```

SELECT
  baseModels.relation,
  COUNT(*) AS cnt,
  SUM(
    CASE
      WHEN list_contains(tags, 'lora')
      OR list_contains(tags, 'adapter')
      OR list_contains(tags, 'peft')
      THEN 1 ELSE 0
    END
  ) AS suspicious_adapter_like
FROM models
WHERE baseModels.relation = 'finetune'
GROUP BY baseModels.relation;

```

| | AZ relation | 123 cnt | 123 suspicious_adapter_like |
|---|-------------|---------|-----------------------------|
| 1 | finetune | 244,723 | 1,130 |

- The `cnt` value is significantly large
- `suspicious_adapter_like` ≈ 0 or extremely small

Verification result: Normal

4.2 Whether `adapter` truly represents "adapter"

SQL

```
1 SELECT
2   COUNT(*) AS total_adapter,
3   SUM(
4     CASE
5       WHEN
6         list_contains(tags, 'lora')
7         OR list_contains(tags, 'adapter')
8         OR list_contains(tags, 'peft')
9       THEN 1 ELSE 0
10    ) AS has_adapter_tag
12 FROM models
13 WHERE baseModels.relation = 'adapter';
14
```

Script editor showing a SQL query:

```
SELECT
  COUNT(*) AS total_adapter,
  SUM(
    CASE
      WHEN
        list_contains(tags, 'lora')
        OR list_contains(tags, 'adapter')
        OR list_contains(tags, 'peft')
      THEN 1 ELSE 0
    END
  ) AS has_adapter_tag
FROM models
WHERE baseModels.relation = 'adapter';
```

Result 1:

| | 123 total_adapter | 123 has_adapter_tag |
|---|-------------------|---------------------|
| 1 | 266,041 | 262,423 |

$\text{has_adapter_tag} / \text{total_adapter} \approx 98\%$

Calculator window showing the calculation:

262423 ÷ 266041 =

0.9864005923898948

Verification result: Normal

MaLi888 / test like 0

Token Classification BERTopic biology License: apache-2.0

Model card Files and versions Community Settings

Getting started with your model

Complete model information

Add metadata and complete your model card to make your model more discoverable.

[Edit Model Card](#)

Metadata UI

License [+ Add License](#)

Language [+ Add Languages](#)

base_model [+ Add Base Model](#)

pipeline_tag Auto-detected

Push your model files

Upload your model weights to this repository.

CLI Python

```
# Install the Hugging Face CLI
powershell -ExecutionPolicy Bypass -c "irm https://hf.co/cli/install.ps1 | iex"

# (optional) Login with your Hugging Face credentials
hf auth login

# Push your model files
hf upload MaLi888/test .
```

You can also upload directly from the website using the [File Uploader](#).

Downloads last month

Downloads are not tracked for this model. [How to track](#)

Inference Providers

Token Classification

This model isn't deployed by any Inference Provider. [Ask for provider support](#)

Model tree for MaLi888/test

Base model zai-org/GLM-4.7

Quantized bartowski/zai-org_GLM-4.7-GGUF

Finetuned (1) [this model](#)

Preparing a significant release? Consult our [guide](#) to improve your model page and extend its impact and reach.

hf.duckdb> Script main models hf.duckdb> hf.main.models

```
SELECT *
FROM hf.main.models
where id = 'bdsqslsz/qinglong_DetailedEyes_Z-Image';
```

结果 1

SELECT * FROM hf.main.models where id = 'bdsqslsz/qinglong' 输入一个 SQL 表达式来过滤结果 (使用 Ctrl+Space)

| | modelAuthor | performance | AZ provider | providerDetails | AZ providerId | AZ status | AZ task |
|-----|-------------|-------------|-------------|-----------------|---------------------------------|-----------|---------------|
| 1 | | [NULL] | fal-ai | [NULL] | [2] | [2] | [2] |
| 1.1 | | | | | fal-ai/z-image/turbo/lora | live | text-to-image |
| 1.2 | | | | | wavespeed-ai/z-image/turbo-lora | live | text-to-image |
| 1.3 | | | | | | | |
| 1.4 | | | | | | | |
| 1.5 | | | | | | | |

Define `tags` for self-uploaded models:

MaLi888 / **test** like 0

Image-to-Image lora arxiv:1910.09700 License: apache-2.0

Model card **Files and versions** xet Community Settings

main test / README.md

MaLi888 Update README.md 5552ae3 VERIFIED

Preview Code raw Copy download link history blame edit delete

metadata

```
license: apache-2.0
base_model:
  - tencent/HY-MT1.5-1.8B-GGUF
  - zai-org/GLM-4.7
  - bartowski/zai-org_GLM-4.7-GGUF
tags:
  - lora
pipeline_tag: image-to-image
```

Also review the existing models with the `adapter` tag:

bdsqslz / **qinglong_DetailedEyes_Z-Image** like 29

Text-to-Image Diffusers lora License: apache-2.0

Model card **Files and versions** xet Community 3

main qinglong_DetailedEyes_Z-Image / README.md

bdsqslz Update README.md 0a91266 VERIFIED

Preview Code raw Copy download link history blame contribute delete

metadata

```
license: apache-2.0
base_model:
  - Tongyi-MAI/Z-Image-Turbo
pipeline_tag: text-to-image
library_name: diffusers
tags:
  - lora
```

4.3 Whether `quantized` truly represents "quantized"

SQL

```
1 SELECT
2   COUNT(*) AS total_quantized,
3   SUM(
4     CASE
5       WHEN
6         list_contains(tags, 'quantized')
7         OR list_contains(tags, 'gguf')
8         OR list_contains(tags, 'int8')
9         OR list_contains(tags, 'int4')
10        OR list_contains(tags, '4bit')
11        OR list_contains(tags, '8bit')
12      THEN 1 ELSE 0
13    END
14  ) AS has_quant_tag
15 FROM models
16 WHERE baseModels.relation = 'quantized';
17
```

ht.duckdb

<ht.duckdb> Script main models *<ht.duckdb> hf.main.models X

```
SELECT
COUNT(*) AS total_quantized,
SUM(
CASE
WHEN
list_contains(tags, 'quantized')
OR list_contains(tags, 'gguf')
OR list_contains(tags, 'int8')
OR list_contains(tags, 'int4')
OR list_contains(tags, '4bit')
OR list_contains(tags, '8bit')
THEN 1 ELSE 0
END
) AS has_quant_tag
FROM models
WHERE baseModels.relation = 'quantized';
```

结果 1 X

SELECT COUNT(*) AS total_quantized, SUM(CASE WHEN I | 输入一个 SQL 表达式来过滤结果 (使用 Ctrl

| | 123 total_quantized | 123 has_quant_tag |
|---|---------------------|-------------------|
| 1 | 125,673 | 101,205 |

计算器

标准

101205 ÷ 125673 =

0.8053042419612805

The probability is already greater than 80%, indicating that the hypotheses are basically correct.

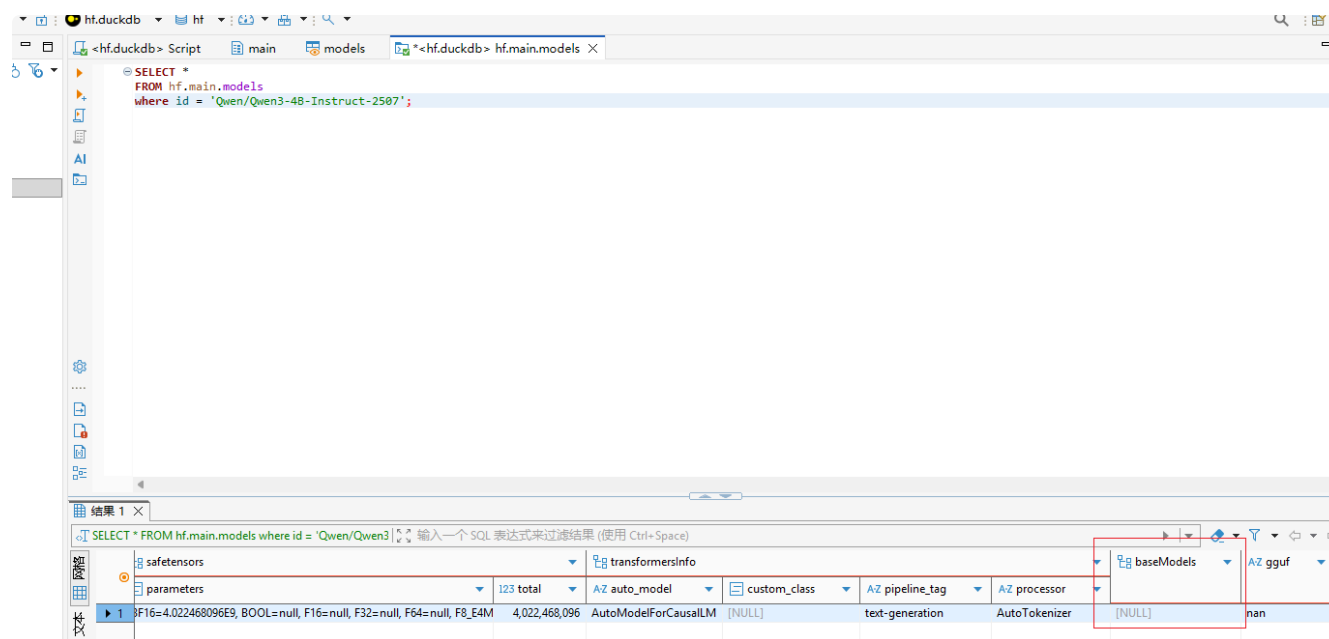
4.4 Source of the merge tag

merge indicates that the model is the baseModel1 of other models, and the other models have more than one baseModel1.

The verification process is as follows:



The Qianwen model (abbreviation) has the Merges tag, but the model is found to have no baseModel1 upon database query.



Click on the model ParrotRouter/Qwen3-4B-Instruct-2507-20250808-233922-0 in the merges section:

This model isn't deployed by any Inference Provider. [Ask for provider support](#)

Model tree for ParrotRouter/Qwen3-4B-Instruct-2507-20250808-233922-0

- BRlkl/BingoGuard-qwen3-4B-pt
- Qwen/Qwen3-4B-Instruct-2507**
- Qwen/Qwen3-4B-Instruct-2507-FP8
- g-assismoraes/Qwen3-4B-Instruct-2507-agnews
- g-assismoraes/Qwen3-4B-Instruct-2507-assin2
- g-assismoraes/Qwen3-4B-Instruct-2507-faquad
- g-assismoraes/Qwen3-4B-Instruct-2507-hatebr
- g-assismoraes/Qwen3-4B-Instruct-2507-imdb
- huihui-ai/Huihui-Qwen3-4B-Instruct-2507-abliterated
- unsloth/Qwen3-4B-Instruct-2507

Merge model

Merges

Quantizations

this model

2 models

2 models

It is found that the corresponding Qianwen model exists in its `model tree` , and the database query results are as follows:

hf.duckdb

Script

main

models

hf.duckdb> hf.main.models

```
SELECT *
FROM hf.main.models
where id = 'ParrotRouter/Qwen3-4B-Instruct-2507-20250808-233922-0';
```

结果 1

SELECT * FROM hf.main.models where id = 'ParrotRouter/

输入一个 SQL 表达式来过滤结果 (使用 Ctrl+Space)

| | transformersInfo | baseModels |
|-----------|----------------------|--|
| 123 total | AZ auto_model | custom_class |
| | AZ pipeline_tag | AZ processor |
| | | models |
| | | AZ relation |
| 1 | M | 4,022,468,096 |
| | AutoModelForCausalLM | [NULL] |
| | | text-generation |
| | | AutoTokenizer |
| | | [_id=6893ab4828f719381f665d40_id=unsloth/Qwen3-4B-Instruct-2507] |
| | | merge |

baseModels of this model

[_id=68956805ea6b891bf6a55a78, id=BRlkl/BingoGuard-qwen3-4B-pt],
[_id=6891e3bb084ce75acffb033d, id=Qwen/Qwen3-4B-Instruct-2507],

```
{_id=6892fb7f7e589749f520da30, id=Qwen/Qwen3-4B-Instruct-2507-FP8},  
{_id=6893bbd0a3c083bbfc22b0a2, id=g-assismoraes/Qwen3-4B-Instruct-2507-  
agnews}, {_id=6893aa104f29d79eef316513, id=g-assismoraes/Qwen3-4B-  
Instruct-2507-assin2}, {_id=6893b1529e0760254790bfa1, id=g-  
assismoraes/Qwen3-4B-Instruct-2507-faquad},  
{_id=6893b5756a284e3c9f0a984d, id=g-assismoraes/Qwen3-4B-Instruct-2507-  
hatebr}, {_id=68939105ae69d218f46a573c, id=g-assismoraes/Qwen3-4B-Instruct-  
2507-imdb}, {_id=6894967025b5b79c17de8b27, id=huihui-ai/Huihui-Qwen3-4B-  
Instruct-2507-abliterated}, {_id=6893ab4828f719381f665d40, id=unsloth/Qwen3-  
4B-Instruct-2507}]
```

It is verified that its `base models` are consistent with the `model tree`.

V. Upload models to verify `cardData` and the source of `tags`.

Introduction to Model Cards:

<https://huggingface.co/docs/hub/model-cards#evaluation-results>

The screenshot shows the Hugging Face Model Card editor interface. The 'base_model' field is highlighted with a red box, showing a list of models including 'zai-org/GLM-4.7' and 'bartowski/zai-org_GLM-4.7-GGUF'. The 'library_name' field is also highlighted with a red box, showing a dropdown menu with options like 'adapter-transformers', 'allennlp', 'asteroid', 'bertopic', and 'diffusers'.

Focus on the `base_model` and `library_name` options.

The `base_model` option specifies which models can be selected as the base models for the uploaded model, while the `library_name` option determines whether the model is a `finetune` or an `adapter`.

Unique `tags` can also be edited in `cardData`, and the background logical reasoning mechanism will identify the tags in `tags` and then determine whether it is a `finetune` or an `adapter`.

VI. Identify models where the `baseModel` and `adapter` are released simultaneously

| case | Meaning |
|---------------------------------------|---|
| Base + Adapter in the same repository | A standalone delivery unit |
| Adapter in a separate repository | Clearly depends on an external base model |
| Base model in a separate repository | A standard base model |

6.1 Judgment Criteria

In the file list (siblings) of the same model repository, complete base model weight files and adapter-specific files appear simultaneously.

SQL

```
1 WITH repo_flags AS (  
2   SELECT  
3     id,  
4     bool_or(  
5       lower(r.rfilename) LIKE '%model.safetensors%'  
6       OR lower(r.rfilename) LIKE '%pytorch_model.bin%'  
7     ) AS has_base,  
8     bool_or(  
9       lower(r.rfilename) LIKE '%adapter_model%'  
10      OR lower(r.rfilename) LIKE '%adapter_config%'  
11    ) AS has_adapter  
12 FROM models,  
13 UNNEST(siblings) AS s(r)  
14 GROUP BY id  
15 )  
16 SELECT *  
17 FROM repo_flags  
18 WHERE has_base = TRUE  
19 AND has_adapter = TRUE  
20
```

hf.duckdb

<hf.duckdb> Script main models *hf.duckdb> hf.main.models X

```
WITH repo_flags AS (  
  SELECT  
    id,  
    bool_or(  
      lower(r.rfilename) LIKE '%model.safetensors%'  
      OR lower(r.rfilename) LIKE '%pytorch_model.bin%'  
    ) AS has_base,  
    bool_or(  
      lower(r.rfilename) LIKE '%adapter_model%'  
      OR lower(r.rfilename) LIKE '%adapter_config%'  
    ) AS has_adapter  
  FROM models,  
  UNNEST(siblings) AS s(r)  
  GROUP BY id  
)  
SELECT *  
FROM repo_flags  
WHERE has_base = TRUE  
AND has_adapter = TRUE
```

结果 1 X

WITH repo_flags AS (SELECT id, bool_or(lower(r.rfilename) 输入一个 SQL 表达式来过滤结果 (使用 Ctrl+Space)

| | AZ id | has_base | has_adapter |
|----|---|----------|-------------|
| 1 | charvibannur/OpenAssistant-Phi2-QLoRA | [v] | [v] |
| 2 | Keerthana98/peft-starcoder-lora-a100-v3 | [v] | [v] |
| 3 | alifzl/SQLChef-1.8B | [v] | [v] |
| 4 | Chat-Error/Llama-3-Kimiko-LoRA | [v] | [v] |
| 5 | andmev/lora_model | [v] | [v] |
| 6 | SALUTEASD/Qwen-Qwen1.5-0.5B-1726079652 | [v] | [v] |
| 7 | xueyj/Qwen-Qwen1.5-1.8B-1726665376 | [v] | [v] |
| 8 | rejiex/Qwen-Qwen1.5-0.5B-1727158860 | [v] | [v] |
| 9 | downtown1/Qwen-Qwen1.5-0.5B-1727658753 | [v] | [v] |
| 10 | jbreuch/cs329-dpo | [v] | [v] |
| 11 | eeeebbb2/50cb5edb-0039-45a3-a254-b8681a16d6ba | [v] | [v] |
| 12 | dimasik87/15fe4780-5642-4be8-a12e-d53036d8db64 | [v] | [v] |
| 13 | Raj-hf/Llama3.2-Vision-Radiology | [v] | [v] |
| 14 | morturr/Mistral-7B-v0.1-PAIR_headlines_one_liners-COMB-one_liners-comb-3-seed-28-2025-02-04 | [v] | [v] |
| 15 | clmbench-playpen/meta-llama_KTO_KTO_Wordle_ExperimentAborted_ErrorsInAbortedOnly | [v] | [v] |
| 16 | nwibawa/DeepSeek-R1-Distill-Llama-8B-unsloth-bnb-4bit-Medical-COT | [v] | [v] |
| 17 | chukwubuikemstephen/llama3-8b-Medical-COT | [v] | [v] |
| 18 | dzanbek/c67f49c6-3e32-471e-923b-be5eb67f1936 | [v] | [v] |
| 19 | fevohh/GenExtract-3B-v0 | [v] | [v] |
| 20 | gauravparajuli/florence2_4_r16 | [v] | [v] |
| 21 | aamijar/Llama-2-7b-hf-lora-r8-mrpc-portlora-epochs1 | [v] | [v] |
| 22 | darturi/Llama-3.1-8B-Instruct_es_RFA_ADAPTER-orthogonal-vaccine2 | [v] | [v] |
| 23 | laniqo/WMT25-EuroLLM-9B-CPO | [v] | [v] |
| 24 | SalimBou5/dpo_model_sft_mmlu_1 | [v] | [v] |
| 25 | sidvash/famus_multi_instance_v3_unsloth_llama-3-8b-Instruct-bnb-4bit-3-epochs | [v] | [v] |

刷新... 保存 取消 200 400+ 400 行已获取 - 9.689s (0.001s 获取), 2021

6.2 Verification

Do base + adapter files exist, yet the semantic meaning is not "adapter" (meeting the above characteristics but not labeled as `adapter` on HF)?

SQL

```
1 SELECT
2   m.id,
3   m.tags
4 FROM models m,
5      UNNEST(m.siblings) AS s(unnest)
6 GROUP BY m.id, m.tags
7 HAVING
8   bool_or(lower(s.unnest.rfilename) LIKE '%adapter_model%')
9   AND
10  bool_or(lower(s.unnest.rfilename) LIKE '%model.safetensors%')
11  AND NOT (
12    array_to_string(m.tags, ',') ILIKE '%adapter%'
13    OR array_to_string(m.tags, ',') ILIKE '%lora%'
14  )
15 LIMIT 10;
16
```

```

SELECT
  m.id,
  m.tags
FROM models m,
  UNNEST(m.siblings) AS s(unnest)
GROUP BY m.id, m.tags
HAVING
  bool_or(lower(s.unnest.rfilename) LIKE '%adapter_model%')
  AND
  bool_or(lower(s.unnest.rfilename) LIKE '%model.safetensors%')
  AND NOT (
    array_to_string(m.tags, ',') ILIKE '%adapter%'
    OR array_to_string(m.tags, ',') ILIKE '%lora%'
  )
LIMIT 10;

```

| AZ id | tags |
|---|--|
| 1 yuri-no/gemma-argos | transformers [+4] |
| 2 Katyc/llama-3-8b-bnb-4bit | transformers [+11] |
| 3 aengus/25jun_r2d2_lat_eps1pt5_lr2e-5_layers8-16_ckpt240 | transformers [+4] |
| 4 blake41/lora_model | [12] |
| 4.1 | transformers |
| 4.2 | safetensors |
| 4.3 | text-generation-inference |
| 4.4 | unsloth |
| 4.5 | llama |
| 4.6 | trl |
| 4.7 | en |
| 4.8 | base_model:unsloth/llama-3-8b-Instruct-bnb-4k |
| 4.9 | base_model:finetune:unsloth/llama-3-8b-Instruc |
| 4.10 | license:apache-2.0 |
| 4.11 | endpoints_compatible |
| 4.12 | region:us |
| 5 amit-ghabria/llama-3-8b-chat-doctor | transformers [+8] |
| 6 dalau627/text-to-sql-finetuned-mistral-small-2409-lora | transformers [+4] |
| 7 nitish-11/friends_Joey_trained_Llama-3-8B | transformers [+9] |

It is also found that some models with LoRA are not defined as `adapter` , indicating that there is a discrepancy between semantics and physical structure.Can such data be defined as `ambiguous` ?

VII. Summary

- A tag relationship exists **only if** a `baseModel` is present;
- `finetune` means a `baseModel` has been selected;

- The display of `adapter` depends on either the `library_name` or the inclusion of keywords such as "lora" in the repository;
- `merge` indicates the presence of multiple `baseModels`;
- For `relation`, `merge` is prioritized for display, followed by `adapter` and then `finetune`.