

Google Magika inference

Simple example that shows how to use GGML for inference with the [Google Magika](#) file type detection model.

- 这个一个简单的例子
- 这个例子用来展示如何使用GGML对文件类型检测模型 (<https://github.com/google/magika>) 进行推理

Usage

- Obtain the Magika model in H5 format (获取H5格式的Magika模型)
 - Pinned version:
https://github.com/google/magika/blob/4460acb5d3f86807c3b53223229dee2afa50c025/assets_generation/models/standard_v1/model.h5
- Use `convert.py` to convert the model to gguf format (使用脚本convert.py将模型转化为GGUF格式) :

```
$ python examples/magika/convert.py /path/to/model.h5
```

- Invoke the program with the model file and a list of files to identify (使用模型文件 and 要识别的文件列表调用该程序) :

```
$ build/bin/magika model.h5.gguf examples/sam/example.jpg
examples/magika/convert.py README.md src/ggml.c /bin/gcc write.exe jfk.wav
examples/sam/example.jpg      : jpeg (100.00%) pptx (0.00%) smali (0.00%) shell
(0.00%) sevenzip (0.00%)
examples/magika/convert.py    : python (99.99%) javascript (0.00%) txt (0.00%)
asm (0.00%) scala (0.00%)
README.md                     : markdown (100.00%) txt (0.00%) yaml (0.00%) ppt
(0.00%) shell (0.00%)
src/ggml.c                    : c (99.95%) txt (0.04%) asm (0.01%) yaml (0.00%)
html (0.00%)
/bin/gcc                       : elf (99.98%) odex (0.02%) pptx (0.00%) smali
(0.00%) shell (0.00%)
write.exe                     : pebin (100.00%) ppt (0.00%) smali (0.00%) shell
(0.00%) sevenzip (0.00%)
jfk.wav                       : wav (100.00%) ppt (0.00%) shell (0.00%) sevenzip
(0.00%) scala (0.00%)
```