Code of Paint-by-Example-main

Environment setup:

Run the following command in your terminal:

    conda env create -f environment.yaml

    conda activate Paint-by-Example

Data preparation:

Download pretrained model to folder named checkpoints from Google Drive:

    https://drive.google.com/file/d/15QzaTWsvZonJcXsNv-ilMRCYaQLhzR_i/view

Download COCO_O dataset from Google Drive:

    https://drive.google.com/file/d/1aBfIJN0zo_i80Hv4p7Ch7M8pRzO37qbq/view

File structure:

File name	Content	How to Run
data_load.py	Load data from COCO_O dataset	Run this file
Paint-by-Example-main/ldm/data/open_images.py	data preprocessing, data augmentation	Included in fine_tuning.py, no need to run it separately
fine_tuning.py	fine-tune the pretrained model	Run fine_tuning.sh
fine_tuning_test.py	Test the fine-tuned model	Run fine_tuning_test.sh
fine_tuning_test_metric.py	Calculate evaluation metrics	Run fine_tuning_test_metric.sh