2024-12-13 19:14:54.789712: E external/local\_xla/xla/stream\_executor/cuda/cuda\_fft.cc:485] Unable to register cuFFT factory: Attempting to register factory for plugin cuFFT when one has already been registered

2024-12-13 19:14:54.810454: E external/local\_xla/xla/stream\_executor/cuda/cuda\_dnn.cc:8454] Unable to register cuDNN factory: Attempting to register factory for plugin cuDNN when one has already been registered

2024-12-13 19:14:54.816740: E external/local\_xla/xla/stream\_executor/cuda/cuda\_blas.cc:1452] Unable to register cuBLAS factory: Attempting to register factory for plugin cuBLAS when one has already been registered

2024-12-13 19:14:54.832783: I tensorflow/core/platform/cpu\_feature\_guard.cc:210] This TensorFlow binary is optimized to use available CPU instructions in performance-critical operations.

To enable the following instructions: AVX2 AVX512F FMA, in other operations, rebuild TensorFlow with the appropriate compiler flags.

2024-12-13 19:14:56.048677: W tensorflow/compiler/tf2tensorrt/utils/py\_utils.cc:38] TF-TRT Warning: Could not find TensorRT

/content/lincir/validate.py:563: FutureWarning: You are using `torch.load` with `weights\_only=False` (the current default value), which uses the default pickle module implicitly. It is possible to construct malicious pickle data which will execute arbitrary code during unpickling (See <https://github.com/pytorch/pytorch/blob/main/SECURITY.md#untrusted-models> for more details). In a future release, the default value for `weights\_only` will be flipped to `True`. This limits the functions that could be executed during unpickling. Arbitrary objects will no longer be allowed to be loaded via this mode unless they are explicitly allowlisted by the user via `torch.serialization.add\_safe\_globals`. We recommend you start setting `weights\_only=True` for any use case where you don't have full control of the loaded file. Please open an issue on GitHub for any issues related to this experimental feature.

torch.load(args.phi\_checkpoint\_name, map\_location=device)[

CLIP preprocess pipeline is used

FashionIQ val - ['dress', 'toptee', 'shirt'] dataset in relative mode initialized

/usr/local/lib/python3.10/dist-packages/torch/utils/data/dataloader.py:617: UserWarning: This DataLoader will create 10 worker processes in total. Our suggested max number of worker in current system is 8, which is smaller than what this DataLoader is going to create. Please be aware that excessive worker creation might get DataLoader running slow or even freeze, lower the worker number to avoid potential slowness/freeze if necessary.

warnings.warn(

Extracting tokens using phi model

100% 135/135 [03:17<00:00, 1.46s/it]

Eval type = phi exp name = None

FashionIQ val - ['shirt'] dataset in classic mode initialized

extracting image features FashionIQDataset - val

100% 199/199 [04:59<00:00, 1.50s/it]

FashionIQ val - ['shirt'] dataset in relative mode initialized

100% 64/64 [00:18<00:00, 3.49it/s]

shirt\_fiq\_recall\_at10 = 29.74

shirt\_fiq\_recall\_at50 = 47.79

FashionIQ val - ['dress'] dataset in classic mode initialized

extracting image features FashionIQDataset - val

100% 120/120 [03:00<00:00, 1.51s/it]

FashionIQ val - ['dress'] dataset in relative mode initialized

100% 64/64 [00:18<00:00, 3.52it/s]

dress\_fiq\_recall\_at10 = 21.17

dress\_fiq\_recall\_at50 = 42.39

FashionIQ val - ['toptee'] dataset in classic mode initialized

extracting image features FashionIQDataset - val

100% 168/168 [04:13<00:00, 1.51s/it]

FashionIQ val - ['toptee'] dataset in relative mode initialized

100% 62/62 [00:17<00:00, 3.51it/s]

toptee\_fiq\_recall\_at10 = 30.90

toptee\_fiq\_recall\_at50 = 51.56

average\_fiq\_recall\_at10 = 27.27

average\_fiq\_recall\_at50 = 47.25