

Commands to run scripts on Gaudi Server

1. T5 model

- ssh test@121.241.227.85
- ssh -J guest@146.152.232.8 sdp@100.81.217.239
- docker run -it --runtime=habana -e HABANA_VISIBLE_DEVICES=all -e OMPI_MCA_btl_vader_single_copy_mechanism=none --cap-add=sys_nice --net=host --ipc=host vault.habana.ai/gaudi-docker/1.14.0/ubuntu22.04/habanalabs/pytorch-installer-2.1.1:latest
- export GIT_SSL_NO_VERIFY=true
- git clone <https://scm-dev.cloudlyte.com/cloudlyte-analytics/models/lyte-models.git>
- cd lyte-models
- git checkout gaudi-models
- cd T5_model
- pip install -r requirements.txt
- The command to run the T5 script
 - python sentimentAnalysis_T5.py --data "Womens Clothing E-Commerce Reviews.csv" --review_col "Review Text" --rating "Rating" --num_epochs 1

2. BERT Model

- ssh test@121.241.227.85
- ssh -J guest@146.152.232.8 sdp@100.81.217.239
- docker run -it --runtime=habana -e HABANA_VISIBLE_DEVICES=all -e OMPI_MCA_btl_vader_single_copy_mechanism=none --cap-add=sys_nice --net=host --ipc=host vault.habana.ai/gaudi-docker/1.14.0/ubuntu22.04/habanalabs/pytorch-installer-2.1.1:latest
- export GIT_SSL_NO_VERIFY=true
- git clone <https://scm-dev.cloudlyte.com/cloudlyte-analytics/models/lyte-models.git>
- cd lyte-models
- git checkout gaudi-models
- cd BERT_model
- pip install -r requirements.txt
- The command to run the BERT script
 - python sentimentAnalysis_BERT.py --data "Womens Clothing E-Commerce Reviews.csv" --review_col "Review Text" --rating "Rating" --batch_size 64 --random_seed 42 --train_test_size 0.6 --test_val_size 0.5 --num_epochs 3

3. ELECTRA model

- ssh test@121.241.227.85
- ssh -J guest@146.152.232.8 sdp@100.81.217.239
- docker run -it --runtime=habana -e HABANA_VISIBLE_DEVICES=all -e

```
OMPI_MCA_btl_vader_single_copy_mechanism=none --cap-add=sys_nice --net=host --ipc=host  
vault.habana.ai/gaudi-docker/1.14.0/ubuntu22.04/habanalabs/pytorch-installer-2.1.1:latest
```

- `export GIT_SSL_NO_VERIFY=true`
- `git clone https://scm-dev.cloudlyte.com/cloudlyte-analytics/models/lyte-models.git`
- `cd lyte-models`
- `git checkout gaudi-models`
- `cd ELECTRA_model`
- `pip install -r requirementsELECTRA.txt`
- The command to run the Electra script
 - `python sentimentAnalysisElectra.py --data "Womens_Clothing_E-Commerce_Reviews.csv" --output_dir
"./sentiment_analysis" --num_train_epochs 2`