1. Command line code for Examples creation
   1. To create examples of train and test datasets,
      1. python ~/code/fingerprint\_lightning/dynamicFPE/dfp\_ex\_creation\_V5.py <author\_start\_id> <author\_end\_id> <gpu\_id> <Minimum history threshold for author> <Length of relevant history>
   2. Example: python ~/code/fingerprint\_lightning/dynamicFPE/dfp\_ex\_creation\_V5.py -1 -1 0 10 10
      1. Arguments -1 -1 can be used to refer to all authors
2. Code for Experiments
   1. Static FPE
      1. DistilBERT

python ~/code/fingerprint\_lightning/dfp\_main\_V2.py

--root\_folder ~/data/outlets

--batch\_size 512

--rnn\_type gru

--grad\_clip 0.8

--dropout 0.2

--epoch 10

--previous\_comment\_cnt 12

--freeze\_bert True

--gpu\_id 5

--sel\_model bert

--outlet NewYorkTimes

--input\_examples pickle\_inputs/final\_mergedexamples\_dFP\_mh12\_rh12\_02262021\_1428.pkl

--model\_type staticfpe

--history\_type static

* + 1. ELECTRA

python ~/code/fingerprint\_lightning/dfp\_main\_V2.py

--root\_folder ~/data/outlets

--batch\_size 512

--rnn\_type gru

--grad\_clip 0.8

--dropout 0.2

--epoch 10

--previous\_comment\_cnt 12

--freeze\_bert True

--gpu\_id 5

--sel\_model bert

--outlet theguardian

--input\_examples pickle\_inputs/final\_mergedexamples\_dFP\_mh12\_rh12\_02262021\_1428.pkl

--model\_type staticfpe

--history\_type static

* 1. Dynamic FPE
     1. DistilBERT

python ~/code/fingerprint\_lightning/dfp\_main\_V2.py

--root\_folder ~/data/outlets

--batch\_size 512

--rnn\_type gru

--grad\_clip 0.8

--dropout 0.2

--epoch 10

--previous\_comment\_cnt 15

--freeze\_bert True

--gpu\_id 5

--sel\_model bert

--outlet Archiveis

--input\_examples pickle\_inputs/final\_mergedexamples\_dFP\_mh15\_rh15\_02262021\_1428.pkl

--model\_type dynamicfpe

--history\_type **dynamic**

1. To use static history, **static** keyword can be used in the history\_type argument
   * 1. ELECTRA

python ~/code/fingerprint\_lightning/dfp\_main\_V2.py

--root\_folder ~/data/outlets

--batch\_size 512

--rnn\_type gru

--grad\_clip 0.8

--dropout 0.2

--epoch 10

--previous\_comment\_cnt 5

--freeze\_bert True

--gpu\_id 5

--sel\_model electra

--outlet Archiveis

--input\_examples pickle\_inputs/final\_mergedexamples\_dFP\_mh5\_rh5\_02262021\_1428.pkl

--model\_type dynamicfpe

--history\_type dynamic

1. Code for Model analysis
   1. python ~ /code/fingerprint\_lightning/model\_analysis.py

--root\_folder ~/data/outlets

--batch\_size 8

--grad\_clip 0.8

--previous\_comment\_cnt 12

--freeze\_bert True

--gpu\_id 0

--sel\_model bert

--outlet Archiveis

--input\_examples pickle\_inputs/shist\_analysis\_2871265.pkl

--model\_type staticfpe

--history\_type static

--load\_checkpoint True

--path\_checkpoint ~/checkpoints/staticfpe-Archiveis-bert-frozTrue-bs128-epoch=08-avg\_val\_acc=0.5935.ckpt

--only\_test True