**the name of the script:** runBERTmodels.py

first enter the files directory.

execute in shell this command:

python runBERTmodels.py

[--absolute\_path ABSOLUTE\_PATH]

[--datasets DATASETS]

[--output\_model\_dir OUTPUT\_MODEL\_DIR]

[-- model\_mode MODEL\_MODE]

* where ABSOLUTE\_PATH is the path to the datasets folder
* where DATASETS is short path to datasets for cross domain evaluation
* where OUTPUT\_MODEL\_DIR is the path where to save the model
* where MODEL\_MODE is “training” or “testing”

for example, the command:

python runBERTmodels.py --datasets "SARC\_dataset2\_train.csv sarc\_pos\_class.csv sarc\_neg\_class.csv SemEval2022\_pos\_class.csv SemEval2022\_neg\_class.csv sarc\_test.csv SemEval2022\_test.csv SARC\_dataset2\_test.csv" --output\_model\_dir "/content/drive/MyDrive/Thesis project/Thesis/BERTmodels/savedModels"

python runBERTmodels.py --datasets SemEval2022\_train.csv sarc\_test.csv sarc\_pos\_class.csv sarc\_neg\_class.csv SemEval2022\_pos\_class.csv SemEval2022\_neg\_class.csv SemEval2022\_test.csv"

python runBERTmodels.py --datasets "SARC\_5k\_balanced\_topics\_train.csv SARC\_5k\_balanced\_topics\_test.csv"

python runBERTmodels.py --datasets "SARC\_5k\_balanced\_topics\_train.csv SARC\_5k\_balanced\_topics\_test.csv" --topic "1" --output\_model\_dir "/content/drive/MyDrive/Thesis project/Thesis/BERTmodels/savedModels"

python runBERTmodels.py --datasets "SARC\_5k\_balanced\_topics\_train2.csv SARC\_5k\_balanced\_topics\_test2.csv" --topic 1

python runBERTmodels.py --datasets "SARC\_5k\_balanced\_topics\_train.csv sarc\_pos\_class.csv sarc\_neg\_class.csv SemEval2022\_pos\_class.csv SemEval2022\_neg\_class.csv sarc\_test.csv SemEval2022\_test.csv

SARC\_5k\_balanced\_topics\_test.csv" --output\_model\_dir "/content/drive/MyDrive/Thesis project/Thesis/BERTmodels/savedModels"

python runBERTmodels.py --datasets "Offensive\_train.csv sarc\_pos\_class.csv sarc\_neg\_class.csv SemEval2022\_pos\_class.csv SemEval2022\_neg\_class.csv sarc\_train.csv SemEval2022\_train.csv"

python runBERTmodels.py --datasets "combined\_dataset\_2.csv sarc\_pos\_class.csv sarc\_neg\_class.csv SemEval2022\_pos\_class.csv SemEval2022\_neg\_class.csv sarc\_train.csv SemEval2022\_train.csv"

python runBERTmodels.py --datasets "empathy\_dataset.csv sarc\_train.csv SemEval2022\_train.csv"

will use the for training the \_\_\_\_\_\_\_ and test him by cross domain evaluation on the rest datasets files.

python runBERTmodels.py --datasets "toxicity\_dataset3.csv sarc\_pos\_class.csv sarc\_neg\_class.csv SemEval2022\_pos\_class.csv SemEval2022\_neg\_class.csv sarc\_train.csv SemEval2022\_train.csv"

python runBERTmodels.py --datasets "toxicityDataset2.csv sarc\_pos\_class.csv sarc\_neg\_class.csv SemEval2022\_pos\_class.csv SemEval2022\_neg\_class.csv sarc\_train.csv SemEval2022\_train.csv"

python runBERTmodels.py --datasets "irony\_train.csv sarc\_pos\_class.csv sarc\_neg\_class.csv SemEval2022\_pos\_class.csv SemEval2022\_neg\_class.csv sarc\_train.csv SemEval2022\_train.csv"

python runBERTmodels.py --datasets "empathy\_dataset.csv sarc\_pos\_class.csv sarc\_neg\_class.csv SemEval2022\_pos\_class.csv SemEval2022\_neg\_class.csv sarc\_train.csv SemEval2022\_train.csv"