**Conda environment setup:**

cd /d s:

cd 23502/2/280\_PVM/Aktuell/01\_Orga/23131\_MAS\_TeamModulbewertung/03\_Arbeitsordner/Swathi\_Thiruvengadam/table-transformer

conda env create -f environment.yml

conda activate new

**Model training**

**detectionTraining**

S:/23502/2/280\_PVM/Aktuell/01\_Orga/23131\_MAS\_TeamModulbewertung/03\_Arbeitsordner/Swathi\_Thiruvengadam/table-transformer/src/main.py

--data\_type detection --config\_file detection\_config.json --data\_root\_dir ../../PubTablesDataset/PubTables-1M-Detection

**recognitionTraining**

S:/23502/2/280\_PVM/Aktuell/01\_Orga/23131\_MAS\_TeamModulbewertung/03\_Arbeitsordner/Swathi\_Thiruvengadam/table-transformer/src/main.py

--data\_type structure --config\_file structure\_config.json --data\_root\_dir ../../PubTablesDataset/PubTables-1M-Structure

**Model Evaluation**

**evaluationDetection**

S:/23502/2/280\_PVM/Aktuell/01\_Orga/23131\_MAS\_TeamModulbewertung/03\_Arbeitsordner/Swathi\_Thiruvengadam/table-transformer/src/main.py

--mode eval --data\_type detection --config\_file detection\_config.json --data\_root\_dir ../../PubTablesDataset/PubTables-1M-Detection --model\_load\_path ../weights/pubtables1m\_detection\_detr\_r18.pth --device cpu

**evaluationRecognition**

S:/23502/2/280\_PVM/Aktuell/01\_Orga/23131\_MAS\_TeamModulbewertung/03\_Arbeitsordner/Swathi\_Thiruvengadam/table-transformer/src/main.py

--mode eval --data\_type structure --config\_file structure\_config.json --data\_root\_dir ../../PubTablesDataset/PubTables-1M-Structure --model\_load\_path ../weights/pubtables1m\_detection\_detr\_r18.pth --device cpu --table\_words\_dir ../../PubTablesDataset/PubTables-1M-Structure/words

**Model Inference**

**Inference detection**

S:/23502/2/280\_PVM/Aktuell/01\_Orga/23131\_MAS\_TeamModulbewertung/03\_Arbeitsordner/Swathi\_Thiruvengadam/table-transformer/src/inference.py

**Inference Extraction**

S:/23502/2/280\_PVM/Aktuell/01\_Orga/23131\_MAS\_TeamModulbewertung/03\_Arbeitsordner/Swathi\_Thiruvengadam/table-transformer/src/inference.py

**Inference Recognition**

S:/23502/2/280\_PVM/Aktuell/01\_Orga/23131\_MAS\_TeamModulbewertung/03\_Arbeitsordner/Swathi\_Thiruvengadam/table-transformer/src/inference.py

**Inference simplified**

**inifDet**

S:/23502/2/280\_PVM/Aktuell/01\_Orga/23131\_MAS\_TeamModulbewertung/03\_Arbeitsordner/Swathi\_Thiruvengadam/table-transformer/src/inference.py

--mode detect --detection\_config\_path detection\_config.json --detection\_model\_path ../weights/pubtables1m\_detection\_detr\_r18.pth --detection\_device cpu --in\_dir ../inferences/pdf --out\_dir ../inferences/detectionOutput --crop\_padding 5 -p

**infRec**

S:/23502/2/280\_PVM/Aktuell/01\_Orga/23131\_MAS\_TeamModulbewertung/03\_Arbeitsordner/Swathi\_Thiruvengadam/table-transformer/src/inference.py

--mode recognize --structure\_config\_path structure\_config.json --structure\_model\_path ../weights/pubtables1m\_structure\_detr\_r18.pth --structure\_device cpu --in\_dir ../inferences/detectionOutput --out\_dir ../inferences/recognitionOutput -c -z

**inferenceExtraction**

S:/23502/2/280\_PVM/Aktuell/01\_Orga/23131\_MAS\_TeamModulbewertung/03\_Arbeitsordner/Swathi\_Thiruvengadam/table-transformer/src/inference.py

--mode extract --detection\_config\_path detection\_config.json --detection\_model\_path ../weights/pubtables1m\_detection\_detr\_r18.pth --detection\_device cpu --structure\_config\_path structure\_config.json --structure\_model\_path ../weights/pubtables1m\_structure\_detr\_r18.pth --structure\_device cpu --in\_dir ../inferences/pdf --out\_dir ../inferences/extractionOutput -c -z --crop\_padding 20

**Evaluation**

S:/23502/2/280\_PVM/Aktuell/01\_Orga/23131\_MAS\_TeamModulbewertung/03\_Arbeitsordner/Swathi\_Thiruvengadam/table-transformer/src/evaluation.py