```
from google.colab import drive
drive.mount('/content/drive')
    Mounted at /content/drive
cd drive/MyDrive/tok2vec
    /content/drive/MyDrive/tok2vec
\verb|pip install https://huggingface.co/opennyaiorg/en_legal_ner_trf/resolve/main/en_legal_ner_trf-any-py3-none-any.whl|
    Requirement already satisfied: spacy-legacy<3.1.0,>=3.0.8 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.2->en-legal-ner-trf==any) (3.0.10)
    Requirement already satisfied: setuptools in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.2->en-legal-ner-trf==any) (57.4.0)
    Requirement already satisfied: catalogue<2.1.0,>=2.0.6 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.2->en-legal-ner-trf==any) (2.0.8)
    Requirement already satisfied: tqdm<5.0.0,>=4.38.0 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.2->en-legal-ner-trf==any) (4.64.1)
    Requirement already satisfied: preshed<3.1.0,>=3.0.2 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.2->en-legal-ner-trf==any) (3.0.8)
    Requirement already satisfied: langcodes<4.0.0,>=3.2.0 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.2->en-legal-ner-trf==any) (3.3.0)
    Collecting typer<0.5.0,>=0.3.0
      Downloading typer-0.4.2-py3-none-any.whl (27 kB)
    Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in /usr/local/lib/python3.8/dist-packages (from packaging>=20.0->spacy<3.3.0,>=3.2.2->en-legal-ner-trf==any) (3.0.9)
    Requirement already satisfied: smart-open<6.0.0,>=5.2.1 in /usr/local/lib/python3.8/dist-packages (from pathy>=0.3.5->spacy<3.3.0,>=3.2.2->en-legal-ner-trf==any) (5.2.1)
    Requirement already satisfied: typing-extensions>=3.7.4.3 in /usr/local/lib/python3.8/dist-packages (from pydantic!=1.8.!=1.8.1,<1.9.0,>=1.7.4->spacy<3.3.0,>=3.2.2->en-legal-ner-trf==any) (4.4)
    Requirement already satisfied: idna<3,>=2.5 in /usr/local/lib/python3.8/dist-packages (from requests<3.0.0,>=2.13.0->spacy<3.3.0,>=3.2.2->en-legal-ner-trf==any) (2.10)
    Requirement already satisfied: chardet<4,>=3.0.2 in /usr/local/lib/python3.8/dist-packages (from requests<3.0.0,>=2.13.0->spacy<3.3.0,>=3.2.2->en-legal-ner-trf==any) (3.0.4)
    Requirement already satisfied: urllib3!=1.25.0,!=1.25.1,<1.26,>=1.21.1 in /usr/local/lib/python3.8/dist-packages (from requests<3.0.0,>=2.13.0->spacy<3.3.0,>=3.2.2->en-legal-ner-trf==any) (1.2 in /usr/local/lib/python3.8/dist-packages (from requests<3.0.0,>=2.13.0->spacy<3.3.0,>=3.2.2->en-legal-ner-trf==any)
    Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.8/dist-packages (from requests<3.0.0,>=2.13.0->spacy<3.3.0,>=3.2.2->en-legal-ner-trf==any) (2022.9.24)
    Collecting transformers<4.22.0,>=3.4.0
      Downloading transformers-4.21.3-py3-none-any.whl (4.7 MB)
                                         4.7 MB 79.2 MB/s
    Requirement already satisfied: torch>=1.6.0 in /usr/local/lib/python3.8/dist-packages (from spacy-transformers<1.2.0,>=1.1.4->en-legal-ner-trf==any) (1.13.0+cul16)
    Collecting spacy-alignments<1.0.0,>=0.7.2
      {\tt Downloading\ spacy\_alignments-0.8.6-cp38-cp38-manylinux\_2\_17\_x86\_64.manylinux2014\_x86\_64.whl\ (1.1\ MB)}
                              1.1 MB 80.1 MB/s
    Collecting spacy-transformers<1.2.0,>=1.1.4
      Downloading spacy_transformers-1.1.7-py2.py3-none-any.whl (53 kB)
                                         53 kB 2.4 MB/s
    Collecting transformers<4.21.0,>=3.4.0
      Downloading transformers-4.20.1-py3-none-any.whl (4.4 MB)
                                           | 4.4 MB 84.4 MB/s
                                  3,<0.13,>=0.11.1
 Saving...
                                  2.1-cp38-cp38-manylinux_2_12_x86_64.manylinux2010_x86_64.whl (6.6 MB)
                                         6.6 MB 59.9 MB/s
    Requirement already satisfied: filelock in /usr/local/lib/python3.8/dist-packages (from transformers<4.21.0,>=3.4.0->spacy-transformers<1.2.0,>=1.1.4->en-legal-ner-trf==any) (3.8.0)
    Requirement already satisfied: regex!=2019.12.17 in /usr/local/lib/python3.8/dist-packages (from transformers<4.21.0,>=3.4.0->spacy-transformers<1.2.0,>=1.1.4->en-legal-ner-trf==any) (2022.6.2
    Requirement already satisfied: pyyaml>=5.1 in /usr/local/lib/python3.8/dist-packages (from transformers<4.21.0,>=3.4.0->spacy-transformers<1.2.0,>=1.1.4->en-legal-ner-trf==any) (6.0)
    Collecting huggingface-hub<1.0,>=0.1.0
      Downloading huggingface_hub-0.11.1-py3-none-any.whl (182 kB)
                                         182 kB 80.0 MB/s
    Requirement already satisfied: MarkupSafe>=0.23 in /usr/local/lib/python3.8/dist-packages (from jinja2->spacy<3.3.0,>=3.2.2->en-legal-ner-trf==any) (2.0.1)
    Installing collected packages: typer, pydantic, tokenizers, thinc, huggingface-hub, transformers, spacy-alignments, spacy, spacy-transformers, en-legal-ner-trf
      Attempting uninstall: typer
        Found existing installation: typer 0.7.0
        Uninstalling typer-0.7.0:
          Successfully uninstalled typer-0.7.0
      Attempting uninstall: pydantic
        Found existing installation: pydantic 1.10.2
        Uninstalling pydantic-1.10.2:
          Successfully uninstalled pydantic-1.10.2
      Attempting uninstall: thinc
        Found existing installation: thinc 8.1.5
        Uninstalling thinc-8.1.5:
          Successfully uninstalled thinc-8.1.5
      Attempting uninstall: spacy
        Found existing installation: spacy 3.4.3
        Uninstalling spacy-3.4.3:
          Successfully uninstalled spacy-3.4.3
    ERROR: pip's dependency resolver does not currently take into account all the packages that are installed. This behaviour is the source of the following dependency conflicts.
    en-core-web-sm 3.4.1 requires spacy<3.5.0,>=3.4.0, but you have spacy 3.2.4 which is incompatible.
    Successfully installed en-legal-ner-trf-3.2.0 huggingface-hub-0.11.1 pydantic-1.8.2 spacy-3.2.4 spacy-alignments-0.8.6 spacy-transformers-1.1.7 thinc-8.0.17 tokenizers-0.12.1 transformers-4.20
pip install https://github.com/explosion/spacy-models/releases/download/en_core_web_sm-3.2.0/en_core_web_sm-3.2.0-py3-none-any.whl
    Looking in indexes: <a href="https://pypi.org/simple">https://us-python.pkg.dev/colab-wheels/public/simple/</a>
    Collecting en-core-web-sm==3.2.0
      Downloading https://github.com/explosion/spacy-models/releases/download/en_core_web_sm-3.2.0/en_core_web_sm-3.2.0-py3-none-any.whl (13.9 MB)
                                           13.9 MB 1.3 MB/s
    Requirement already satisfied: spacy<3.3.0,>=3.2.0 in /usr/local/lib/python3.8/dist-packages (from en-core-web-sm==3.2.0) (3.2.4)
    Requirement already satisfied: numpy>=1.15.0 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (1.21.6)
    Requirement already satisfied: setuptools in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (57.4.0)
    Requirement already satisfied: blis<0.8.0,>=0.4.0 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (0.7.9)
    Requirement already satisfied: preshed<3.1.0,>=3.0.2 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (3.0.8)
    Requirement already satisfied: wasabi<1.1.0,>=0.8.1 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (0.10.1) Requirement already satisfied: packaging>=20.0 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (21.3)
    Requirement already satisfied: jinja2 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (2.11.3)
    Requirement already satisfied: tqdm<5.0.0,>=4.38.0 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (4.64.1)
    Requirement already satisfied: pathy>=0.3.5 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (0.10.0)
    Requirement already satisfied: spacy-legacy<3.1.0,>=3.0.8 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (3.0.10)
    Requirement already satisfied: typer<0.5.0,>=0.3.0 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (0.4.2)
    Requirement already satisfied: langcodes<4.0.0,>=3.2.0 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (3.3.0)
    Requirement already satisfied: requests<3.0.0,>=2.13.0 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (2.23.0)
    Requirement already satisfied: murmurhash<1.1.0,>=0.28.0 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (1.0.9)
    Requirement already satisfied: click<8.1.0 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (7.1.2)
    Requirement already satisfied: catalogue<2.1.0,>=2.0.6 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (2.0.8) Requirement already satisfied: spacy-loggers<2.0.0,>=1.0.0 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (1.0.3)
    Requirement already satisfied: thinc<8.1.0,>=8.0.12 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (8.0.17)
    Requirement already satisfied: pydantic!=1.8,!=1.8.1,<1.9.0,>=1.7.4 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (1.8.2)
    Requirement already satisfied: cymem<2.1.0,>=2.0.2 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (2.0.7)
    Requirement already satisfied: srsly<3.0.0,>=2.4.1 in /usr/local/lib/python3.8/dist-packages (from spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (2.4.5)
    Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in /usr/local/lib/python3.8/dist-packages (from packaging>=20.0->spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (3.0.9)
    Requirement already satisfied: smart-open<6.0.0,>=5.2.1 in /usr/local/lib/python3.8/dist-packages (from pathy>=0.3.5->spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (5.2.1)
    Requirement already satisfied: typing-extensions>=3.7.4.3 in /usr/local/lib/python3.8/dist-packages (from pydantic!=1.8,!=1.8.1,<1.9.0,>=1.7.4->spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (4.4)
    Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.8/dist-packages (from requests<3.0.0,>=2.13.0->spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (2022.9.24)
    Requirement already satisfied: chardet<4,>=3.0.2 in /usr/local/lib/python3.8/dist-packages (from requests<3.0.0,>=2.13.0->spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (3.0.4)
    Requirement already satisfied: idna<3,>=2.5 in /usr/local/lib/python3.8/dist-packages (from requests<3.0.0,>=2.13.0->spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (2.10)
    Requirement already satisfied: urllib3!=1.25.0,!=1.25.1,<1.26,>=1.21.1 in /usr/local/lib/python3.8/dist-packages (from requests<3.0.0,>=2.13.0->spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (1.2
    Requirement already satisfied: MarkupSafe>=0.23 in /usr/local/lib/python3.8/dist-packages (from jinja2->spacy<3.3.0,>=3.2.0->en-core-web-sm==3.2.0) (2.0.1)
    Installing collected packages: en-core-web-sm
      Attempting uninstall: en-core-web-sm
        Found existing installation: en-core-web-sm 3.4.1
        Uninstalling en-core-web-sm-3.4.1:
          Successfully uninstalled en-core-web-sm-3.4.1
    Successfully installed en-core-web-sm-3.2.0
!pip install -r requirements.txt
    Looking in indexes: <a href="https://pypi.org/simple">https://us-python.pkg.dev/colab-wheels/public/simple/</a>
    Requirement already satisfied: spacy in /usr/local/lib/python3.8/dist-packages (from -r requirements.txt (line 1)) (3.2.4)
    Requirement already satisfied: bs4 in /usr/local/lib/python3.8/dist-packages (from -r requirements.txt (line 2)) (0.0.1)
    Requirement already satisfied: urllib3 in /usr/local/lib/python3.8/dist-packages (from -r requirements.txt (line 3)) (1.24.3)
    Requirement already satisfied: cymem<2.1.0,>=2.0.2 in /usr/local/lib/python3.8/dist-packages (from spacy->-r requirements.txt (line 1)) (2.0.7)
    Requirement already satisfied: typer<0.5.0,>=0.3.0 in /usr/local/lib/python3.8/dist-packages (from spacy->-r requirements.txt (line 1)) (0.4.2)
    Requirement already satisfied: spacy-loggers<2.0.0,>=1.0.0 in /usr/local/lib/python3.8/dist-packages (from spacy->-r requirements.txt (line 1)) (1.0.3)
    Requirement already satisfied: wasabi<1.1.0,>=0.8.1 in /usr/local/lib/python3.8/dist-packages (from spacy->-r requirements.txt (line 1)) (0.10.1)
    Requirement already satisfied: numpy>=1.15.0 in /usr/local/lib/python3.8/dist-packages (from spacy->-r requirements.txt (line 1)) (1.21.6)
    Requirement already satisfied: pydantic!=1.8,!=1.8.1,<1.9.0,>=1.7.4 in /usr/local/lib/python3.8/dist-packages (from spacy->-r requirements.txt (line 1)) (1.8.2)
    Requirement already satisfied: preshed<3.1.0,>=3.0.2 in /usr/local/lib/python3.8/dist-packages (from spacy->-r requirements.txt (line 1)) (3.0.8)
    Requirement already satisfied: srsly<3.0.0,>=2.4.1 in /usr/local/lib/python3.8/dist-packages (from spacy->-r requirements.txt (line 1)) (2.4.5)
    Requirement already satisfied: blis<0.8.0,>=0.4.0 in /usr/local/lib/python3.8/dist-packages (from spacy->-r requirements.txt (line 1)) (0.7.9)
    Requirement already satisfied: pathy>=0.3.5 in /usr/local/lib/python3.8/dist-packages (from spacy->-r requirements.txt (line 1)) (0.10.0)
    Requirement already satisfied: murmurhash<1.1.0,>=0.28.0 in /usr/local/lib/python3.8/dist-packages (from spacy->-r requirements.txt (line 1)) (1.0.9)
    Requirement already satisfied: thinc<8.1.0,>=8.0.12 in /usr/local/lib/python3.8/dist-packages (from spacy->-r requirements.txt (line 1)) (8.0.17)
```

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Requirement already satisfied: spacy-legacy<3.1.0,>=3.0.8 in /usr/local/lib/python3.8/dist-packages (from spacy->-r requirements.txt (line 1)) (3.0.10)
    Requirement already satisfied: catalogue<2.1.0,>=2.0.6 in /usr/local/lib/python3.8/dist-packages (from spacy->-r requirements.txt (line 1)) (2.0.8)
    Requirement already satisfied: langcodes<4.0.0,>=3.2.0 in /usr/local/lib/python3.8/dist-packages (from spacy->-r requirements.txt (line 1)) (3.3.0)
    Requirement already satisfied: setuptools in /usr/local/lib/python3.8/dist-packages (from spacy->-r requirements.txt (line 1)) (57.4.0)
    Requirement already satisfied: click<8.1.0 in /usr/local/lib/python3.8/dist-packages (from spacy->-r requirements.txt (line 1)) (7.1.2)
    Requirement already satisfied: requests<3.0.0,>=2.13.0 in /usr/local/lib/python3.8/dist-packages (from spacy->-r requirements.txt (line 1)) (2.23.0)
    Requirement already satisfied: jinja2 in /usr/local/lib/python3.8/dist-packages (from spacy->-r requirements.txt (line 1)) (2.11.3)
    Requirement already satisfied: packaging>=20.0 in /usr/local/lib/python3.8/dist-packages (from spacy->-r requirements.txt (line 1)) (21.3)
    Requirement already satisfied: tqdm<5.0.0,>=4.38.0 in /usr/local/lib/python3.8/dist-packages (from spacy->-r requirements.txt (line 1)) (4.64.1)
    Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in /usr/local/lib/python3.8/dist-packages (from packaging>=20.0->spacy->-r requirements.txt (line 1)) (3.0.9)
    Requirement already satisfied: smart-open<6.0.0,>=5.2.1 in /usr/local/lib/python3.8/dist-packages (from pathy>=0.3.5->spacy->-r requirements.txt (line 1)) (5.2.1)
Requirement already satisfied: typing-extensions>=3.7.4.3 in /usr/local/lib/python3.8/dist-packages (from pydantic!=1.8,!=1.8.1,<1.9.0,>=1.7.4->spacy->-r requirements.txt (line 1)) (4.4.0)
    Requirement already satisfied: idna<3,>=2.5 in /usr/local/lib/python3.8/dist-packages (from requests<3.0.0,>=2.13.0->spacy->-r requirements.txt (line 1)) (2.10)
    Requirement already satisfied: chardet<4,>=3.0.2 in /usr/local/lib/python3.8/dist-packages (from requests<3.0.0,>=2.13.0->spacy->-r requirements.txt (line 1)) (3.0.4)
    Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.8/dist-packages (from requests<3.0.0,>=2.13.0->spacy->-r requirements.txt (line 1)) (2022.9.24)
    Requirement already satisfied: beautifulsoup4 in /usr/local/lib/python3.8/dist-packages (from bs4->-r requirements.txt (line 2)) (4.6.3)
    Requirement already satisfied: MarkupSafe>=0.23 in /usr/local/lib/python3.8/dist-packages (from jinja2->spacy->-r requirements.txt (line 1)) (2.0.1)
!python3 example-doc.py
    Seperating Preamble took 0.0011510848999023438
    Creating doc for jdgement took 0.0004112720489501953
    Creating doc for preamble took 8.082389831542969e-05
    /content/drive/MyDrive/tok2vec/legal_ner.py:39: UserWarning: [W101] Skipping Doc custom extension 'trf_data' while merging docs.
      combined_doc = spacy.tokens.Doc.from_docs([doc_preamble, doc_judgment])
    Combining took 0.39458799362182617
!python3 example-sent.py
    Seperating Preamble took 0.0010387897491455078
    Creating doc for jdgement took 0.00040602684020996094
    Traceback (most recent call last):
      File "example-sent.py", line 12, in <module>
        \verb|combined_doc| = \verb|extract_entities_from_judgment_text(judgment_text,legal_nlp,preamble_spiltting_nlp,run_type,do_postprocess)| \\
      File "/content/drive/MyDrive/tok2vec/legal_ner.py", line 30, in extract_entities_from_judgment_text
        print(len(doc judgment.ents))
    AttributeError: 'NoneType' object has no attribute 'ents'
                                 onfig.cfg --output ./output --paths.train training/Combined_Data_Judgement_Preamble_spacy_format/train.spacy --paths.dev tr
                              X
 Saving...
                                   output
    i Using GPU: 0
                  ===== pipeline =====
    [2022-12-13 06:27:42,782] [INFO] Set up nlp object from config
    INFO:spacy:Set up nlp object from config
    [2022-12-13 06:27:42,791] [INFO] Pipeline: ['tok2vec', 'ner']
    INFO:spacy:Pipeline: ['tok2vec', 'ner']
    [2022-12-13 06:27:42,795] [INFO] Created vocabulary
    INFO:spacy:Created vocabulary
    [2022-12-13 06:27:42,796] [INFO] Finished initializing nlp object
    INFO:spacy:Finished initializing nlp object
    [2022-12-13 06:28:18,873] [INFO] Initialized pipeline components: ['tok2vec', 'ner']
    INFO:spacy:Initialized pipeline components: ['tok2vec', 'ner']
    ✓ Initialized pipeline
                             ==== Training pipeline ==================
    i Pipeline: ['tok2vec', 'ner']
    i Initial learn rate: 0.0
    E #
              LOSS TOK2VEC LOSS NER ENTS_F ENTS_P ENTS_R SCORE
                         0.00 562.09 0.05
                                                    0.10
                                                            0.03
                                                                    0.00
           1000
                     22491.84 442896.63 9.27 15.38
      2
                                                            6.64
                                                                      0.09
                     26206.99 115929.50 28.50
                                                    36.01 23.58
           2000
                                                                     0.28
                     13548.04 94396.12 39.13
                                                   47.65
           3000
                                                           33.19
                                                                    0.39
                     10219.05 83704.00 46.81
                                                   53.29
                                                           41.74
                                                                    0.47
                     16309.78 77556.99
     11
           5000
                                           53.40
                                                   58.93
                                                            48.81
                                                                     0.53
```

14 6000 15914.01 71689.60 56.72 61.86 52.38 0.57 16 7000 24979.16 67342.88 60.12 64.65 56.18 0.60 18 8000 12157.20 62183.88 62.49 67.38 58.26 0.62 21 9000 14115.27 59941.75 64.04 68.30 60.27 0.64 10000 20031.31 57265.53 23 64.79 68.46 61.49 0.65 20557.18 55236.30 69.77 26 11000 65.69 62.05 0.66 12000 15454.74 52842.83 28 66.31 69.61 63.31 0.66 30 13000 16154.05 51947.57 66.70 71.15 62.78 0.67 18024.96 50176.31 14000 35 15000 15575.83 48244.88 67.75 71.88 64.07 0.68 37 16000 18352.13 48384.14 68.35 72.86 64.37 0.68 40 17000 18821.86 47106.53 68.34 72.42 64.70 0.68 19132.45 46642.62 42 18000 68.70 73.01 64.86 0.69 44 19000 18544.09 45482.97 68.60 72.39 65.19 0.69 18774.82 44101.84 47 20000 71.74 68.24 65.06 0.68 18518.99 43769.86 49 21000 68.78 72.38 65.52 0.69 19194.20 43630.19 52 22000 68.53 72.31 65.13 0.69 23000 20028.21 43317.59 69.13 72.75 65.85 20364.65 42433.78 56 24000 69.23 72.73 59 25000 19706.07 42172.04 69.57 73.05 66.41 0.70 61 26000 20534.99 41570.66 69.60 73.42 66.15 0.70 21535.96 42246.06 63 27000 69.63 73.28 66.31 0.70 66 28000 20324.34 40946.50 69.77 73.37 66.51 0.70 20355.18 41473.79 29000 69.74 68 73.29 66.51 0.70 30000 19986.58 41225.31 70 69.73 73.35 66.45 0.70 31000 19676.10 41245.55 69.73 73 73.35 66.45 0.70 75 32000 22797.65 41435.46 69.73 73.35 66.45 0.70 19760.01 41551.92 $\begin{cal}{\cdot}\end{cal}$ Saved pipeline to output directory

output/model-last