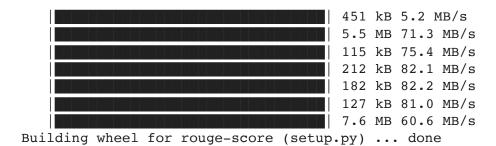
News Summarization Application Using Fine-Tuned T5 Transformer Model

- In this project we have built a news summarization application on Streamlit. This application summarizes live news articles which are fetched using Google News RSS feed
- We have used the CNN/Daily Mail news dataset
 (https://huggingface.co/datasets/cnn_dailymail) for fine-tuning the T5 transformer.
- This fine-tuned model is then used to build a summarization application on Streamlit

Code for fine-tuning T5 transformer model:

```
import pandas as pd
```

! pip install datasets transformers rouge-score nltk -q



pip install huggingface hub -q

```
Looking in indexes: <a href="https://pypi.org/simple">https://us-python.pkg.dev/colab-whee</a>
Requirement already satisfied: huggingface_hub in /usr/local/lib/python3.7/dist-package: typing-extensions>=3.7.4.3 in /usr/local/lib/python3.7/dist-package: Requirement already satisfied: filelock in /usr/local/lib/python3.7/dist-package: Requirement already satisfied: requests in /usr/local/lib/python3.7/dist-package: Requirement already satisfied: pyyaml>=5.1 in /usr/local/lib/python3.7/dist-package: tqdm in /usr/local/lib/python3.7/dist-package: (f: Requirement already satisfied: packaging>=20.9 in /usr/local/lib/python3.7/dist-package: pyparsing!=3.0.5,>=2.0.2 in /usr/local/lib/python3.7/dist-package: Requirement already satisfied: chardet<4,>=3.0.2 in /usr/local/lib/python3.7/dist-package: chardet<4,>=3.0.2 in /usr/local/lib/python3.7/
```

#Connecting hugging face account to the notebook to save the model in hugging face huk

```
from huggingface hub import notebook login
notebook login()
    Token is valid.
    Your token has been saved in your configured git credential helpers (store).
    Your token has been saved to /root/.huggingface/token
    Login successful
import datasets
!apt install git-lfs
    Reading package lists... Done
    Building dependency tree
    Reading state information... Done
    git-lfs is already the newest version (2.3.4-1).
    The following package was automatically installed and is no longer required:
      libnvidia-common-460
    Use 'apt autoremove' to remove it.
    0 upgraded, 0 newly installed, 0 to remove and 5 not upgraded.
import transformers
print(transformers. version )
    4.24.0
model checkpoint = "t5-small"
#Importing the CNN/Daily Mail dataset
from datasets import load dataset, load metric
raw datasets = load dataset("cnn dailymail",'3.0.0')
metric = load metric("rouge")
```

Downloading builder script: 100% 8.33k/8.33k [00:00<00:00, 300

Downloading metadata: 100% 9.88k/9.88k [00:00<00:00, 352kB

Downloading readme: 100% 15.1k/15.1k [00:00<00:00, 539kB/s

Downloading and preparing dataset cnn_dailymail/3.0.0 to /root/.cache/huggingfaco

Downloading data files: 100% 5/5 [00:15<00:00, 2.15s/it]

Downloading data: 100% 159M/159M [00:02<00:00, 55.9MB/s]

Downloading data: 100% 376M/376M [00:06<00:00, 62.7MB/s]

Downloading data: 46 4M/2 [00⋅00 −00⋅00 −70 4MR/s]

#Looking at the contents of the dataset

```
raw_datasets
```

```
DatasetDict({
    train: Dataset({
        features: ['article', 'highlights', 'id'],
        num_rows: 287113
    })
    validation: Dataset({
        features: ['article', 'highlights', 'id'],
        num_rows: 13368
    })
    test: Dataset({
        features: ['article', 'highlights', 'id'],
        num_rows: 11490
    })
})
```

#Having a look at one row from the train dataset

```
raw_datasets["train"][0]
```

{'article': 'LONDON, England (Reuters) -- Harry Potter star Daniel Radcliffe gains access to a reported £20 million (\$41.1 million) fortune as he turns 18 on Monday, but he insists the money won\'t cast a spell on him. Daniel Radcliffe as Harry Potter in "Harry Potter and the Order of the Phoenix" To the disappointment of gossip columnists around the world, the young actor says he has no plans to fritter his cash away on fast cars, drink and celebrity parties. "I don't plan to be one of those people who, as soon as they turn 18, suddenly buy themselves a massive sports car collection or something similar," he told an Australian interviewer earlier this month. "I don't think I'll be particularly extravagant. "The things I like buying are things that cost about 10 pounds -books and CDs and DVDs." At 18, Radcliffe will be able to gamble in a casino, buy a drink in a pub or see the horror film "Hostel: Part II," currently six places below his number one movie on the UK box office chart. Details of how he\'ll mark his landmark birthday are under wraps. His agent and publicist had no comment on his plans. "I\'ll definitely have some sort of party," he said in an interview. "Hopefully none of you will be reading about it." Radcliffe\'s earnings from the first five Potter films have been held in a trust fund which he has not been able to touch. Despite his growing fame and riches, the actor

says he is keeping his feet firmly on the ground. "People are always looking to say \'kid star goes off the rails,\'" he told reporters last month. "But I try very hard not to go that way because it would be too easy for them." His latest outing as the boy wizard in "Harry Potter and the Order of the Phoenix" is breaking records on both sides of the Atlantic and he will reprise the role in the last two films. Watch I-Reporter give her review of Potter\'s latest ». There is life beyond Potter, however. The Londoner has filmed a TV movie called "My Boy Jack," about author Rudyard Kipling and his son, due for release later this year. He will also appear in "December Boys," an Australian film about four boys who escape an orphanage. Earlier this year, he made his stage debut playing a tortured teenager in Peter Shaffer\'s "Equus." Meanwhile, he is braced for even closer media scrutiny now that he\'s legally an adult: "I just think I\'m going to be more sort of fair game," he told Reuters. E-mail to a friend. Copyright 2007 Reuters. All rights reserved. This material may not be published, broadcast, rewritten, or redistributed.',

'highlights': "Harry Potter star Daniel Radcliffe gets £20M fortune as he turns 18 Monday .\nYoung actor says he has no plans to fritter his cash away .\nRadcliffe's earnings from first five Potter films have been held in trust fund .",

'id': '42c027e4ff9730fbb3de84c1af0d2c506e41c3e4'}

```
import datasets
import random
import pandas as pd
from IPython.display import display, HTML
def show random elements(dataset, num examples=5):
    assert num_examples <= len(dataset), "Can't pick more elements than there are in t
    picks = []
    for in range(num examples):
        pick = random.randint(0, len(dataset)-1)
        while pick in picks:
            pick = random.randint(0, len(dataset)-1)
        picks.append(pick)
    df = pd.DataFrame(dataset[picks])
    for column, typ in dataset.features.items():
        if isinstance(typ, datasets.ClassLabel):
            df[column] = df[column].transform(lambda i: typ.names[i])
    display(HTML(df.to html()))
#Displaying the contents of the CNN/Daily Mail dataset
show random elements(raw datasets["train"])
```

0

1

At first glance, it looks like a perfectly normal helicopter. But Northrop Grumman's new MQ-8C Fire Sc missing one key thing - a pilot. The craft, shown off at a trade show this week, has been stuffe electronics so it can be flown as a drone - but with all the same capabilities as a normal helicopter. Mocl an MQ-8C Fire Scout from the Northrup Grumman display at the Sea-Air-Space Expo 2013. The MQ-8C Scout looks almost identical to a normal helicopter - but is in fact a drone . The ultimate drone in num The MQ-8C Fire Scout is a fully autonomous, fourblade, single-engine unmanned helicopter. 'It will ca array of . reconnaissance, surveillance and target acquisition (RSTA) sensors to . support warfig demands for enhanced situational awareness,' the . firm said. 'The craft combines the best of two prov systems in a low-cost, fast-fielding package,' said the defence firm. Earlier this year the US Navy aw Northrop Grumman a \$71 million contract to procure six additional MQ-8C Fire-X variants, for a total aircraft. George Vardoulakis, vice president for tactical unmanned systems with Northrop Grum Aerospace Systems sector said, 'this contract provides significant momentum for the work Northrop Grur and its supply chain partners are doing to meet the Navy's requirements.' An artist's impression of the M Fire Scout in action. The drone is based on a Bell 407. helicopter, which is often used by hospitals, organizations, movie . studios and law enforcement agencies worldwide. Over 1,000 have been solc over 3 million accumulated flight hours - but now it is undergoing a radical conversion. 'Fire Scout sur both maritime and land-based missions, . taking off and landing on aviation-capable warships, a prepared . and unprepared landing zones in proximity to ground troops. A scale model of the MQ-80 Scout was revealed, and it is hoped the real thing could be flying this year. The complex electronics the pilot the helicopter reme

(CNN) -- A 2-year-old boy who was reportedly the son of Minnesota Vikings star Adrian Peterson died I of injuries he suffered after allegedly being abused, police said. Sioux Falls, South Dakota, police said Jo Robert Patterson, 27, has been charged with aggravated battery of an infant and aggravated assa convicted on the charges, both felonies, Patterson could face up to 40 years in prison and an \$80,000 Prosecutors are considering filing additional charges against Patterson in light of the boy's death, accord police. Soon after the news came out of the boy's death, Adrian Peterson took to Twitter to expre gratitude to his family, fans and the "fraternity of brothers" in the NFL for their support. "God Bless eve and thank u so much," he wrote. Patterson called authorities about 5:45 p.m. Wednesday to report that year-old was choking in his Sioux Falls apartment, police spokesman Sam Clemens said. Officers arriv find the toddler unresponsive, and he was rushed to a nearby hospital. Authorities determined that the had suffered injuries to his head consistent with abuse, according to Clemens. Police said Patterson, they described as the boyfriend of the injured child's mother, was the only other person in the residence time. The suspect -- who was given suspended sentences a year ago for simple domestic assau violation of a domestic abuse bond, both misdemeanors -- was arrested Thursday night, said Lincoln Co South Dakota, State's Attorney Tom Wollman. A judge set his bail at \$750,000 cash during his initial appearance Friday, according to Clemens. The 2-year-old's mother is not under investigation, Cle added. "This is an absolute tragedy," Wollman said Friday, "and the parents and the extended family suffering greatly." Authorities have declined to name the child, with police saying that information is " withheld out of respect for the family and to give them time to make notification." Peterson's father, N Peterson, told the St. Paul Pioneer Press that the injured toddler is his grandson and Adrian's son. N Peterson did not identify the boy by name except to say he was not Adrian Peterson Jr. The 2012 NFL Valuable Player himself did not elaborate on what happened when addressing reporters earlier Fric which time the child was in critical condition. But he did acknowledge that he was dealing with "a p matter," adding that he still plans to play in Sunday's game against the Carolina Panthers. "I will ask you please just respect my privacy," Peterson said. Even if he wasn't talking, many athletes were. The Washi Redskins' Robert Griffin III and Houston Texans' defense lineman J.J. Watt were among Pete competitors who expressed condolences online, as well as their shock at what happened. Among the vocal was LeBron James, who has won the NBA's MVP award four of the past five seasons. Declari buddy will get what's coming to him!!" -- an apparent reference to the suspect -- James expressed the s he felt, as a young father himself, while offering support to his friend. "So Damn sad man!" the Miam star tweeted. "Makes no sense at all. Innocent kid with dreams gets taking away by a coward with no dr

at all! Smh #SickForAP." CNN's Cristy Lenz and Shawn Nottingham contributed to this r

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It's not the first thing most women think of when they go shopping for their smalls. But for Karen Danc was just another chance for a photo opportunity. After browsing aisles bursting with barely-there outfit 31-year-old picked out a revealing red and black corset - then whipped out her phone to share the mo with her online fans. It took just a matter of hours for the councillor to post the fruits of her labour on Tw with a shameless plug for the lingerie store thrown in for good measure. Scroll down for video . opportunity: Karen Danczuk went shopping for lingerie today - but used the outing as another bit of sham self-promotion. Mrs Danczuk, the 31-year-old wife of Labour MP Simon Danczuk, doing a spot of lir shopping with her friend, believed to be Nicollette North. Selfie gueen: The self-confessed 'Queen Selfies' (left and right) posed for a series of obligatory selfies, complete with saucy pouts, to add to her expanding selfie gallery. Strike a pose: The mother-of-two couldn't resist stopping to take a few pho herself in her new outfit. Slinky: She spent the morning trying on the slinky corset at bespoke lingerie Chantilly, in Rochdale . Red: She later posted these selfies on her Twitter saying: 'I'm Labour throug through! I even bought the underwear to prove it' She posted: 'I'm Labour through and through! I even b the underwear to prove it. KD #imtellingthetruth'. She also linked her tweets twice to the shop, before giving a shout out to her friend Nicollette North, who had watched on as Mrs Danczuk struck a num pouting poses in her snug-fitting corset. It's hardly surprising that Mrs Danczuk chose to turn her shopping trip turned into yet another opportunity to add to her ever-expanding gallery of selfies. The me of-two shot to fame last year after posting dozens of risque pictures - mostly showcasing her gen cleavage - to her 35,000 followers on Twitter. Her pictures, which range from make-up free pos scenarios to fully glammed-up nights out, have helped to propel her to the position of one of the most-fa women in public life. But along the way she has drawn her share of brickbats, including among critical accuse her of cheapening British politics. On show: Some might ask whether the basque-like one-pibecoming for a wife of one of Her Majesty's Loyal Opposition . Snug fit: Mrs Danczuk asked Ms No mother-of-two, to make adjustments to her chosen corset. Adjusting to the new look: The councillor wa and about in Rotherham picking out her new attire. Be my Valentine? The images could cause a stir a hopefuls who are in the middle of furiously bidding to take the mother-of-two out on a date on Valentine this Saturday. Mrs Danczuk has previously been called 'the most embarrassing wife in Westmins' former Conservative MP Louise Mensch - and these images will do nothing to help her cause. Ms Me also branded Mrs Danczuk a 'trowel' over the amount of make-up she uses. Some might also que whether the basque-like one-piece is becoming for a councillor and wife of a high-profile figure i Majesty's Official Opposition. But Mrs Danczuk appears to be undeterred by the criticism, as these in show. In another bid for self-promotion, Mrs Danczuk this week announced she would take 'one lucky w on a date this Saturday for Valentine's day, depending on who bid the most for the privilege. In the pink mother-of-two picked up an eye-catching pink and black number while browsing. Which one? Mrs Da (left and right) asks her friend for some advice over her raunchy underwear. Animal: The councillo considered trying on an animal-print bra and brief combination. Winner: The councillor appeared to be taken with the basque-like red and black corset . Before the undressing: Mrs Danczuk and her friend the morning shopping in Rochdale. Success: The MP's wife looked pleased as she left the shop ca numerous bags of her new purchases. Her fans launched a furious bidding war, bringing the highest £10,300. Today, Mrs Danczuk also today took a swipe at beleaguered Labour deputy leader Harriet Ha Ms Harman had already come under fire this week for the party's use of an all-female pink battle I engage with women voters. In the wake of the outcry, Mrs Danczuk told MailOnline how Miss Ha allegedly told her she was 'far too pretty to be interested in politics' and should join a girl band ins something the deputy Labour leader denies. Costume change: Mrs Danczuk was later seen in jeans denim shirt unbuttoned to her bosoms as she went out for lunch in Rochdale following her lingerie sho trip. Mrs Danczuk, who has represented the Kingsway ward on Rochdale council since 2011, announce month that she was standing down as a councillor at the next election to pursue other opportunities. already hired London-based agent Ginger Comms and is understood to be interested in pursuing TV Mrs Danczuk also hit the headlines last year when she started selling signed pictures of herself posin

(CNN) -- All around the world today, people are in the early hours of trying to keep their New' resolutions: Lose that 15 pounds, find that job that will make you happy, move to that city where you've a dreamed of living. There is one kind of resolution, though, that very few of us will ever be in a posit make. Somewhere today, someone at the very pinnacle of his or her career is thinking of doing in 2012 Tony La Russa did in 2011: . Get out on top. Willingly walk away and declare victory. Leave the table whi dice are still hot. La Russa was the manager of the St. Louis Cardinals who, within days of guiding his te

bikini on eBay. But the £10 pictures were criticised by many buyers for being poor q

victory in the World Series, announced that he was done. It has never happened before in baseball, according to historians of the sport. No manager before La Russa ever retired in the same calendar year his tean the Series. Human nature tells us to hang on while success is at its peak. You don't see many CEO have just led their corporations to record profits say: I have nothing left to prove. I'm through -- it's bee Who does that, when further riches and accolades await? The inner knowledge that things may never be good again competes against the thought that cruising speed can be exceedingly comfortable once ye made it to the apex. Who reaches the top of the mountain and then, with the cheers still ringing, decide more mountaintops for me? It happens in sports, once in a great while. Rocky Marciano retired from box 1956 as undefeated heavyweight champion of the world. Jim Brown walked away from professional for the still the best warning back in the apent. They had your the respective Them.

metric

```
Metric(name: "rouge", features: {'predictions': Value(dtype='string',
    id='sequence'), 'references': Value(dtype='string', id='sequence')}, usage: """
    Calculates average rouge scores for a list of hypotheses and references
    Args:
        predictions: list of predictions to score. Each prediction
             should be a string with tokens separated by spaces.
         references: list of reference for each prediction. Each
             reference should be a string with tokens separated by spaces.
         rouge_types: A list of rouge types to calculate.
             Valid names:
             `"rouge{n}"` (e.g. `"rouge1"`, `"rouge2"`) where: {n} is the n-gram
    based scoring,
             "rougeL": Longest common subsequence based scoring.
             "rougeLSum": rougeLsum splits text using "
             See details in <a href="https://github.com/huggingface/datasets/issues/617">https://github.com/huggingface/datasets/issues/617</a>
        use stemmer: Bool indicating whether Porter stemmer should be used to strip
    word suffixes.
         use aggregator: Return aggregates if this is set to True
         rouge1: rouge 1 (precision, recall, f1),
         rouge2: rouge 2 (precision, recall, f1),
         rougeL: rouge 1 (precision, recall, f1),
         rougeLsum: rouge lsum (precision, recall, f1)
    Examples:
         >>> rouge = datasets.load metric('rouge')
        >>> predictions = ["hello there", "general kenobi"]
         >>> references = ["hello there", "general kenobi"]
         >>> results = rouge.compute(predictions=predictions, references=references)
         >>> print(list(results.keys()))
         ['rouge1', 'rouge2', 'rougeL', 'rougeLsum']
         >>> print(results["rouge1"])
         AggregateScore(low=Score(precision=1.0, recall=1.0, fmeasure=1.0),
    mid=Score(precision=1.0, recall=1.0, fmeasure=1.0), high=Score(precision=1.0,
    recall=1.0, fmeasure=1.0))
         >>> print(results["rouge1"].mid.fmeasure)
         1.0
     """, stored examples: 0)
#Example of how the metrics will be computed
fake preds = ["hello there", "general kenobi"]
```

```
fake_labels = ["hello there", "general kenobi"]
metric.compute(predictions=fake preds, references=fake labels)
    {'rouge1': AggregateScore(low=Score(precision=1.0, recall=1.0, fmeasure=1.0),
    mid=Score(precision=1.0, recall=1.0, fmeasure=1.0), high=Score(precision=1.0,
    recall=1.0, fmeasure=1.0)),
      'rouge2': AggregateScore(low=Score(precision=1.0, recall=1.0, fmeasure=1.0),
    mid=Score(precision=1.0, recall=1.0, fmeasure=1.0), high=Score(precision=1.0,
    recall=1.0, fmeasure=1.0)),
      'rougeL': AggregateScore(low=Score(precision=1.0, recall=1.0, fmeasure=1.0),
    mid=Score(precision=1.0, recall=1.0, fmeasure=1.0), high=Score(precision=1.0,
    recall=1.0, fmeasure=1.0)),
      'rougeLsum': AggregateScore(low=Score(precision=1.0, recall=1.0, fmeasure=1.0),
    mid=Score(precision=1.0, recall=1.0, fmeasure=1.0), high=Score(precision=1.0,
    recall=1.0, fmeasure=1.0))}
from transformers import AutoTokenizer
tokenizer = AutoTokenizer.from pretrained(model checkpoint)
     Downloading: 100%
                                                         1.20k/1.20k [00:00<00:00, 42.4kB/s]
     Downloading: 100%
                                                         792k/792k [00:00<00:00, 4.88MB/s]
    Downloading: 100%
                                                         1.39M/1.39M [00:00<00:00, 4.36MB/s]
    /usr/local/lib/python3.7/dist-packages/transformers/models/t5/tokenization t5 fa:
    For now, this behavior is kept to avoid breaking backwards compatibility when pack
    - Be aware that you SHOULD NOT rely on t5-small automatically truncating your in
    - If you want to encode/pad to sequences longer than 512 you can either instantia
    - To avoid this warning, please instantiate this tokenizer with `model max lengtl
      FutureWarning,
#Example of how the sentence in the dataset will be tokenized
tokenizer("Hello, this one sentence!")
    {'input ids': [8774, 6, 48, 80, 7142, 55, 1], 'attention mask': [1, 1, 1, 1, 1,
    1, 1]}
if model checkpoint in ["t5-small", "t5-base", "t5-larg", "t5-3b", "t5-11b"]:
    prefix = "summarize: "
else:
    prefix = ""
#Preparing the text before feeding it ot the tokenizer
max input length = 512
max target length = 128
```

```
def preprocess_function(examples):
    inputs = [prefix + doc for doc in examples["article"]]
    model_inputs = tokenizer(inputs, max_length=max_input_length, truncation=True)

# Setup the tokenizer for targets
    with tokenizer.as_target_tokenizer():
        labels = tokenizer(examples["highlights"], max_length=max_target_length, trunc
    model_inputs["labels"] = labels["input_ids"]
    return model_inputs
```

preprocess_function(raw_datasets['train'][:2])

/usr/local/lib/python3.7/dist-packages/transformers/tokenization utils base.py:3! "`as_target_tokenizer` is deprecated and will be removed in v5 of Transformers {'input_ids': [[21603, 10, 301, 24796, 4170, 6, 2789, 41, 18844, 61, 1636, 8929, 16023, 2213, 4173, 6324, 12591, 15, 11391, 592, 12, 3, 9, 2196, 3996, 1755, 770, 8785, 591, 11039, 770, 61, 13462, 38, 3, 88, 5050, 507, 30, 2089, 6, 68, 3, 88, 10419, 7, 8, 540, 751, 31, 17, 4061, 3, 9, 10783, 30, 376, 5, 4173, 6324, 12591, 15, 38, 8929, 16023, 16, 96, 15537, 651, 16023, 11, 8, 5197, 13, 8, 12308, 121, 304, 8, 19142, 13, 29517, 6710, 343, 7, 300, 8, 296, 6, 8, 1021, 7556, 845, 3, 88, 65, 150, 1390, 12, 9030, 17, 449, 112, 1723, 550, 30, 1006, 2948, 6, 3281, 11, 17086, 2251, 5, 96, 196, 278, 31, 17, 515, 12, 36, 80, 13, 273, 151, 113, 6, 38, 1116, 38, 79, 919, 14985, 8247, 805, 1452, 3, 9, 3805, 2100, 443, 1232, 42, 424, 1126, 976, 3, 88, 1219, 46, 3746, 2772, 49, 2283, 48, 847, 5, 96, 196, 278, 31, 17, 317, 27, 31, 195, 36, 1989, 28887, 5, 96, 634, 378, 27, 114, 2611, 33, 378, 24, 583, 81, 335, 7051, 1636, 1335, 11, 3190, 7, 11, 5677, 7, 535, 486, 14985, 6324, 12591, 15, 56, 36, 3, 179, 12, 24068, 16, 3, 9, 2653, 6, 805, 3, 9, 3281, 16, 3, 9, 11943, 42, 217, 8, 12082, 814, 96, 4489, 7, 1625, 10, 2733, 2466, 976, 1083, 1296, 1747, 666, 112, 381, 80, 1974, 30, 8, 1270, 1367, 828, 5059, 5, 9487, 13, 149, 3, 88, 31, 195, 3946, 112, 15754, 3591, 33, 365, 6215, 7, 5, 978, 3102, 11, 452, 343, 141, 150, 1670, 30, 112, 1390, 5, 96, 196, 31, 195, 1728, 43, 128, 1843, 13, 1088, 976, 3, 88, 243, 16, 46, 2772, 5, 96, 12599, 5839, 13, 25, 56, 36, 1183, 81, 34, 535, 6324, 12591, 15, 31, 7, 8783, 45, 8, 166, 874, 16023, 4852, 43, 118, 1213, 16, 3, 9, 2019, 3069, 84, 3, 88, 65, 59, 118, 3, 179, 12, 1586, 5, 3, 4868, 112, 1710, 10393, 11, 20816, 6, 8, 7556, 845, 3, 88, 19, 2627, 112, 1922, 3, 16804, 30, 8, 1591, 5, 96, 24337, 33, 373, 479, 12, 497, 3, 31, 2168, 26, 2213, 1550, 326, 8, 6579, 7, 6, 31, 121, 3, 88, 1219, 19644, 336, 847, 5, 96, 11836, 27, 653, 182, 614, 59, 12, 281, 24, 194, 250, 34, 133, 36, 396, 514, 21, 135, 535, 978, 1251, 91, 53, 38, 8, 4940, 25027, 16, 96, 15537, 651, 16023, 11, 8, 5197, 13, 8, 12308, 121, 19, 7814, 3187, 30, 321, 4458, 13, 8, 9640, 11, 3, 88, 56, 21504, 8, 1075, 16, 8, 336, 192, 4852, 5, 4195, 27, 18, 1649, 1493, 49, 428, 160, 1132, 13, 16023, 31, 7, 1251, 1168, 3, 5, 290, 19, 280, 1909, 16023, 6, 983, 5, 37, 1524, 49, 65, 3, 25403, 3, 9, 1424, 1974, 718, 96, 7008, 7508, 4496, 976, 81, 2291, 17806, 6636, 4320, 102, 697, 11, 112, 520, 6, 788, 21, 1576, 865, 48, 215, 5, 216, 56, 92, 2385, 16, 96, 29835, 1], [21603, 10, 11953, 31, 7, 2232, 10, 86, 69, 17088, 8, 27814, 7, 939, 6, 19602, 25688, 7, 698, 70, 2704, 16, 6013, 1506, 11, 8341, 8, 1937, 1187, 8, 984, 5, 947, 6, 264, 109, 14677, 411, 31, 279, 3483, 1217, 1105, 1096, 3, 9, 11796, 213, 186, 13, 8, 16, 11171, 33, 19367, 3, 1092, 5, 389, 16, 5058, 629, 26, 30, 8, 96, 1161, 7483, 1501, 976, 213, 186, 19367, 3, 1092, 16, 11171, 33, 629, 26, 16, 8327, 274, 3689, 5, 8161, 4815, 196, 6, 2599, 41, 254, 17235, 61, 1636, 37, 24651, 1501, 13, 8, 8327, 18, 308, 9, 221, 7140, 12042, 20, 9174, 3064, 19, 3,

```
26, 17344, 8, 96, 1161, 7483, 1501, 535, 947, 6, 16, 11171, 28, 8, 167, 5274,
2550, 21154, 33, 3, 14736, 15, 4094, 552, 79, 31, 60, 1065, 12, 2385, 16, 1614,
5, 1377, 557, 6, 79, 522, 2672, 3991, 42, 3991, 13, 12710, 53, 46, 5502, 1636,
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17054, 120, 3, 1092, 151, 557, 751, 31, 17, 103, 125, 79, 31, 60, 1219, 116,
2095, 3658, 30, 8, 3112, 1636, 25704, 1330, 12, 3, 31488, 70, 7095, 11, 79, 582,
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12, 312, 99, 348, 5, 264, 6, 79, 414, 95, 30, 8, 24651, 1501, 20215, 19367,
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11223, 21, 4831, 11, 8, 19367, 3, 1092, 5, 1441, 713, 62, 130, 59, 1776, 13001,
28, 539, 6026, 57, 8, 4879, 7, 6, 62, 130, 787, 6059, 12, 4279, 671, 8873, 15,
11, 1552, 8, 1501, 5, 1263, 1096, 8, 3, 31, 1161, 7483, 1501, 31, 1168, 3, 5,
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3, 7, 109, 15, 162, 924, 3, 9598, 7, 5, 11648, 3753, 8034, 21, 6026, 11, 1922,
16, 3, 9, 2437, 13996, 9182, 2182, 1636, 24, 31, 7, 773, 13, 125, 79, 320, 114,
5, 328, 31, 60, 876, 12, 453, 8, 19367, 3, 1092, 1221, 45, 16, 10609, 53, 1452,
```

tokenized datasets = raw datasets.map(preprocess function, batched=True)

```
100% 288/288 [03:25<00:00, 1.67ba/s]
```

100% 14/14 [00:09<00:00, 1.61ba/s]

100% 12/12 [00:08<00:00, 1.51ba/s]

from transformers import AutoModelForSeq2SeqLM, DataCollatorForSeq2Seq, Seq2SeqTraining
model = AutoModelForSeq2SeqLM.from_pretrained(model_checkpoint)

Downloading: 100% 242M/242M [00:04<00:00, 61.7MB/s]

```
#Hyper-parameters used for training the model
```

```
batch_size = 12
model_name = model_checkpoint.split("/")[-1]
args = Seq2SeqTrainingArguments(
    f"{model_name}-finetuned-t5-summarization",
    evaluation_strategy = "epoch",
    learning_rate=4e-5,
    per_device_train_batch_size=batch_size,
    per_device_eval_batch_size=batch_size,
    weight_decay=0.01,
    save_total_limit=3,
    num_train_epochs=6,
    predict_with_generate=True,
    fp16=True,
    push_to_hub=True,
)
```

```
data collator = DataCollatorForSeq2Seq(tokenizer, model=model)
import nltk
import numpy as np
def compute metrics(eval pred):
    predictions, labels = eval pred
    decoded preds = tokenizer.batch_decode(predictions, skip_special_tokens=True)
    # Replace -100 in the labels as we can't decode them.
    labels = np.where(labels != -100, labels, tokenizer.pad token id)
    decoded_labels = tokenizer.batch_decode(labels, skip_special_tokens=True)
    # Rouge expects a newline after each sentence
    decoded preds = ["\n".join(nltk.sent tokenize(pred.strip())) for pred in decoded ;
    decoded labels = ["\n".join(nltk.sent tokenize(label.strip())) for label in decode
    result = metric.compute(predictions=decoded preds, references=decoded labels, use
    # Extract a few results
    result = {key: value.mid.fmeasure * 100 for key, value in result.items()}
    # Add mean generated length
    prediction lens = [np.count nonzero(pred != tokenizer.pad token id) for pred in pa
    result["gen len"] = np.mean(prediction lens)
    return {k: round(v, 4) for k, v in result.items()}
trainer = Seq2SeqTrainer(
   model,
    args,
    train dataset=tokenized datasets["train"],
    eval dataset=tokenized datasets["validation"],
    data collator=data collator,
    tokenizer=tokenizer,
    compute metrics=compute metrics
)
```

```
nlp\_project\_model\_training\_2.ipynb - Colaboratory
      Cloning <a href="https://huggingface.co/ajitjadhav/t5-small-finetuned-t5-summarization">https://huggingface.co/ajitjadhav/t5-small-finetuned-t5-summarization</a> in
      WARNING: huggingface hub.repository: Cloning https://huggingface.co/ajitjadhav/t5-
      Download file pytorch_model.bin: 100%
                                                                                           231M/231M [01:31<00:0
      Download file runs/Nov24 01-37-
      27_50db25be8968/1669260824.1329968/events.out.tfevents.1669260824.50db25be8968.77.2: 100%
      Download file runs/Nov24 01-37-
      27 50db25be8968/1669261133.2322292/events.out.tfevents.1669261133.50db25be8968.77.10: 100%
      Download file runs/Nov24_01-37-27_50db25be8968/events.out.tfevents.1669261133.50db25be8968.77.9:
      100%
      Download file runs/Nov24_01-37-
      27_50db25be8968/1669261102.399719/events.out.tfevents.1669261102.50db25be8968.77.8: 100%
      Download file runs/Nov24_01-37-27_50db25be8968/events.out.tfevents.1669253925.50db25be8968.77.0:
      100%
      Download file runs/Nov24 01-37-
      27_50db25be8968/1669260932.973984/events.out.tfevents.1669260932.50db25be8968.77.4: 100%
      Download file runs/Nov24 01-37-
      27 50db25be8968/1669260988.2848449/events.out.tfevents.1669260988.50db25be8968.77.6: 100%
      Clean file runs/Nov24 01-37-
      27 50db25be8968/1669260824.1329968/events.out.tfevents.1669260824.50db25be8968.77.2: 100%
      Clean file runs/Nov24 01-37-
      27 50db25be8968/1669261133.2322292/events.out.tfevents.1669261133.50db25be8968.77.10: 100%
      Clean file runs/Nov24_01-37-
      27_50db25be8968/1669261102.399719/events.out.tfevents.1669261102.50db25be8968.77.8: 100%
nltk.download('punkt')
      [nltk data] Downloading package punkt to /root/nltk data...
                        Unzipping tokenizers/punkt.zip.
      [nltk data]
      True
```

#Training the model

trainer.train()

The following columns in the training set don't have a corresponding argument in 'usr/local/lib/python3.7/dist-packages/transformers/optimization.py:310: FutureWar FutureWarning,

***** Running training *****

Num examples = 287113

Num Epochs = 6

Instantaneous batch size per device = 16

Total train batch size (w. parallel, distributed & accumulation) = 16

Gradient Accumulation steps = 1

Total optimization steps = 107670

Number of trainable parameters = 60506624

!ou're using a T5TokenizerFast tokenizer. Please note that with a fast tokenizer,
[53836/107670 1:49:50 < 1:49:50, 8.17 it/s, Epoch 3/6]

| Epoch | Training Loss | Validation Loss | Rouge1 | Rouge2 | Rougel | Rougelsum | Gen |
|-------|---------------|-----------------|-----------|-----------|-----------|-----------|------|
| 1 | 1.989100 | 1.798088 | 24.382000 | 11.709900 | 20.170700 | 23.002100 | 18.9 |
| 2 | 1.952700 | 1.781631 | 24.488400 | 11.767300 | 20.269800 | 23.123300 | 19.(|

 \bigcirc [223/836 00:59 < 02:44, 3.73 it/s]

3aving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-500 lonfiguration saved in t5-small-finetuned-t5-summarization/checkpoint-500/config. Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-500/pytorch :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-500, special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-500/sr cokenizer config file saved in t5-small-finetuned-t5-summarization/tokenizer confi Special tokens file saved in t5-small-finetuned-t5-summarization/special tokens makes Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-1000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-1000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-1000/pytorch :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-100(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-1000/s Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-1500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-1500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-1500/pytorcl :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-150(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-1500/s Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-2000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-2000/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-2000/pytorch :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-200(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-2000/s Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-500] due Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-2500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-2500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-2500/pytorcl :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-250(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-2500/6 Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-1000] du Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-3000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-3000/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-3000/pytorch :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-300(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-3000/s Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-1500] du 3aving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-3500

Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-3500/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-3500/pytorch :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-3500 Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-3500/s Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-2000] du Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-4000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-4000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-4000/pytorch :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-4000 Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-4000/s Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-2500] du Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-4500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-4500/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-4500/pytorch :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-450(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-4500/s Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-3000] du Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-5000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-5000/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-5000/pytorch :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-5000 Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-5000/s Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-3500] du Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-5500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-5500/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-5500/pytorch :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-5500 Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-5500/s Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-4000] du Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-6000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-6000/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-6000/pytorch :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-6000 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-6000/s Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-4500] du Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-6500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-6500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-6500/pytorcl cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-6500 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-6500/s Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-5000] du Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-7000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-7000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-7000/pytorcl :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-700(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-7000/s Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-5500] du Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-7500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-7500/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-7500/pytorch :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-750(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-7500/s Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-6000] du Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-8000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-8000/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-8000/pytorch okenizer confid file saved in +5_small_finetuned_+5_summarization/checknoin+_8000

'OVEHITSET COHITÀ TITE BUSEN TH CA-BHUTT-TIHECHHEN-CA-BHUMHUTTSUCTOH/CHECVÉOTHC-ONOV special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-8000/s Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-6500] du Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-8500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-8500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-8500/pytorch cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-8500 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-8500/s Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-7000] du Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-9000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-9000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-9000/pytorch :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-9000 Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-9000/s Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-7500] du Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-9500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-9500/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-9500/pytorch :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-9500 Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-9500/s Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-8000] du Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-10000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-10000/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-10000/pytorg :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-1000 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-10000/ Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-8500] du Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-10500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-10500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-10500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-105(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-10500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-9000] du Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-11000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-11000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-11000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-110(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-11000/ Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-9500] du Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-11500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-11500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-11500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-115(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-11500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-10000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-12000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-12000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-12000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-120(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-12000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-10500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-12500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-12500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-12500/pytorc tokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-1250 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-12500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-11000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-13000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-13000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-13000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-130(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-13000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-11500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-13500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-13500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-13500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-135(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-13500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-12000] of Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-14000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-14000/confic Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-14000/pytorg :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-140(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-14000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-12500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-14500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-14500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-14500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-145(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-14500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-13000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-15000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-15000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-15000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-1500 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-15000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-13500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-15500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-15500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-15500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-1550 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-15500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-14000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-16000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-16000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-16000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-1600 Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-16000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-14500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-16500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-16500/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-16500/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-165(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-16500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-15000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-17000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-17000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-17000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-170(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-17000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-15500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-17500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-17500/config Model weights saved in t5_small_finetuned_t5_summarization/checknoint_17500/nvtore

cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-1750 pecial tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-17500, beleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-16000] che following columns in the evaluation set don't have a corresponding argument in the evaluation *****

Num examples = 13368

Batch size = 16

Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-18000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-18000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-18000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-180(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-18000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-16500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-18500 configuration saved in t5-small-finetuned-t5-summarization/checkpoint-18500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-18500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-185(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-18500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-17000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-19000 configuration saved in t5-small-finetuned-t5-summarization/checkpoint-19000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-19000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-1900 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-19000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-17500] (3aving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-19500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-19500/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-19500/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-195(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-19500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-18000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-20000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-20000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-20000/pytor :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-200(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-20000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-18500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-20500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-20500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-20500/pytor :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-2050 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-20500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-19000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-21000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-21000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-21000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-210(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-21000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-19500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-21500 configuration saved in t5-small-finetuned-t5-summarization/checkpoint-21500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-21500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-215(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-21500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-20000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-22000

Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-22000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-22000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-220(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-22000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-20500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-22500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-22500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-22500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-225(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-22500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-21000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-23000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-23000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-23000/pytorc cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-2300 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-23000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-21500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-23500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-23500/confic Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-23500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-235(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-23500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-22000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-24000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-24000/confic Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-24000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-240(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-24000/ Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-22500] of Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-24500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-24500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-24500/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-245(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-24500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-23000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-25000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-25000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-25000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-2500 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-25000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-23500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-25500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-25500/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-25500/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-255(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-25500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-24000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-26000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-26000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-26000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-2600 Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-26000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-24500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-26500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-26500/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-26500/pytoro okenizer confid file saved in +5_small_finetuned_+5_summarization/checknoin+_2650

SOVEHITSET COULTA LITE BUSEN IN CO-BHUTT-LIHECRHEN-CO-BRHHHUTTSUCTON/CHECVBOTHC-500/ special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-26500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-25000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-27000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-27000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-27000/pytor :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-270(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-27000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-25500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-27500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-27500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-27500/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-275(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-27500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-26000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-28000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-28000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-28000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-280(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-28000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-26500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-28500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-28500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-28500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-285(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-28500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-27000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-29000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-29000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-29000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-2900 Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-29000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-27500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-29500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-29500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-29500/pytorc cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-2950 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-29500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-28000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-30000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-30000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-30000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-3000 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-30000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-28500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-30500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-30500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-30500/pytor :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-305(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-30500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-29000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-31000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-31000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-31000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-310(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-31000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-29500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-31500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-31500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-31500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-315(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-31500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-30000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-32000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-32000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-32000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-320(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-32000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-30500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-32500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-32500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-32500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-325(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-32500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-31000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-33000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-33000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-33000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-330(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-33000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-31500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-33500 configuration saved in t5-small-finetuned-t5-summarization/checkpoint-33500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-33500/pytor :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-335(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-33500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-32000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-34000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-34000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-34000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-3400 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-34000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-32500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-34500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-34500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-34500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-345(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-34500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-33000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-35000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-35000/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-35000/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-350(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-35000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-33500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-35500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-35500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-35500/pytor :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-355(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-35500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-34000] (The following columns in the evaluation set don't have a corresponding argument in **** Running Evaluation ****

Batch size = 16 Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-36000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-36000/confic Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-36000/pytorg :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-3600 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-36000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-34500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-36500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-36500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-36500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-365(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-36500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-35000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-37000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-37000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-37000/pytor :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-370(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-37000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-35500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-37500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-37500/confic Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-37500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-375(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-37500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-36000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-38000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-38000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-38000/pytorc cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-3800 Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-38000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-36500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-38500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-38500/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-38500/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-385(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-38500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-37000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-39000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-39000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-39000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-390(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-39000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-37500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-39500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-39500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-39500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-395(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-39500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-38000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-40000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-40000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-40000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-4000 Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-40000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-38500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-40500

Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-40500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-40500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-405(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-40500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-39000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-41000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-41000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-41000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-4100 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-41000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-39500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-41500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-41500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-41500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-415(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-41500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-40000] Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-42000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-42000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-42000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-420(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-42000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-40500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-42500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-42500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-42500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-425(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-42500/ Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-41000] of Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-43000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-43000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-43000/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-430(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-43000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-41500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-43500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-43500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-43500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-4350 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-43500/ Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-42000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-44000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-44000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-44000/pytorc cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-4400 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-44000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-42500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-44500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-44500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-44500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-445(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-44500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-43000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-45000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-45000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-45000/pytoro okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-4500 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-45000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-43500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-45500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-45500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-45500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-455(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-45500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-44000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-46000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-46000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-46000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-4600 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-46000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-44500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-46500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-46500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-46500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-465(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-46500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-45000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-47000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-47000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-47000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-470(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-47000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-45500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-47500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-47500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-47500/pytor :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-475(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-47500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-46000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-48000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-48000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-48000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-4800 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-48000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-46500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-48500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-48500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-48500/pytorc cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-4850 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-48500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-47000] of Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-49000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-49000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-49000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-490(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-49000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-47500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-49500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-49500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-49500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-495(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-49500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-48000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-50000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-50000/confic Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-50000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-500(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-50000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-48500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-50500 configuration saved in t5-small-finetuned-t5-summarization/checkpoint-50500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-50500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-505(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-50500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-49000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-51000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-51000/confic Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-51000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-510(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-51000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-49500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-51500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-51500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-51500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-515(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-51500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-50000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-52000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-52000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-52000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-520(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-52000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-50500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-52500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-52500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-52500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-525(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-52500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-51000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-53000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-53000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-53000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-530(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-53000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-51500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-53500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-53500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-53500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-535(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-53500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-52000] (The following columns in the evaluation set don't have a corresponding argument in ***** Running Evaluation *****

Num examples = 13368

Batch size = 16

[107670/107670 3:47:59, Epoch 6/6]

| Epoch | Training Loss | Validation Loss | Rouge1 | Rouge2 | Rougel | Rougelsum | Gen |
|-------|---------------|-----------------|-----------|-----------|-----------|-----------|------|
| 1 | 1.989100 | 1.798088 | 24.382000 | 11.709900 | 20.170700 | 23.002100 | 18.9 |

| 2 | 1.952700 | 1.781631 | 24.488400 | 11.767300 | 20.269800 | 23.123300 | 19.(|
|---|----------|----------|-----------|-----------|-----------|-----------|------|
| 3 | 1.942100 | 1.772838 | 24.578200 | 11.840100 | 20.334300 | 23.203300 | 18.9 |
| 4 | 1.929800 | 1.767682 | 24.566000 | 11.872300 | 20.329600 | 23.194300 | 18.9 |
| 5 | 1.925600 | 1.761927 | 24.566200 | 11.838500 | 20.326500 | 23.201600 | 18.9 |
| 6 | 1.905600 | 1.761284 | 24.575500 | 11.842400 | 20.303100 | 23.186700 | 18.9 |

Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-54000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-54000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-54000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-540(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-54000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-52500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-54500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-54500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-54500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-545(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-54500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-53000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-55000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-55000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-55000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-550(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-55000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-53500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-55500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-55500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-55500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-555(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-55500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-54000] (3aving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-56000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-56000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-56000/pytor :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-5600 Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-56000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-54500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-56500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-56500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-56500/pytor :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-565(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-56500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-55000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-57000 configuration saved in t5-small-finetuned-t5-summarization/checkpoint-57000/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-57000/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-570(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-57000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-55500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-57500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-57500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-57500/pytor :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-575(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-57500,

Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-56000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-58000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-58000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-58000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-580(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-58000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-56500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-58500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-58500/confic Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-58500/pytorg :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-585(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-58500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-57000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-59000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-59000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-59000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-5900 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-59000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-57500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-59500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-59500/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-59500/pytor :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-595(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-59500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-58000] of Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-60000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-60000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-60000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-6000 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-60000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-58500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-60500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-60500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-60500/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-6050 Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-60500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-59000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-61000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-61000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-61000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-610(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-61000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-59500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-61500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-61500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-61500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-615(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-61500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-60000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-62000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-62000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-62000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-6200 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-62000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-60500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-62500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-62500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-62500/pytorc cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-625(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-62500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-61000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-63000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-63000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-63000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-630(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-63000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-61500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-63500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-63500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-63500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-635(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-63500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-62000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-64000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-64000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-64000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-6400 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-64000/ Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-62500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-64500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-64500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-64500/pytorc cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-6450 Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-64500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-63000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-65000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-65000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-65000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-650(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-65000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-63500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-65500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-65500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-65500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-655(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-65500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-64000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-66000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-66000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-66000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-6600 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-66000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-64500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-66500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-66500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-66500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-665(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-66500/ Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-65000] of Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-67000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-67000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-67000/pytorc cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-6700 Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-67000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-65500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-67500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-67500/confic Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-67500/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-675(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-67500/ Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-66000] Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-68000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-68000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-68000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-680(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-68000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-66500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-68500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-68500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-68500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-6850 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-68500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-67000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-69000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-69000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-69000/pytorc cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-6900 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-69000 Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-67500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-69500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-69500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-69500/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-695(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-69500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-68000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-70000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-70000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-70000/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-7000 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-70000/ Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-68500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-70500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-70500/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-70500/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-705(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-70500/ Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-69000] of Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-71000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-71000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-71000/pytorc cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-7100 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-71000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-69500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-71500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-71500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-71500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-715(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-71500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-70000] (The fortowing columns in the evaluation see aon't have a corresponding argument in

**** Running Evaluation ****

Num examples = 13368

Batch size = 16

Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-72000 configuration saved in t5-small-finetuned-t5-summarization/checkpoint-72000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-72000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-720(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-72000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-70500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-72500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-72500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-72500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-725(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-72500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-71000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-73000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-73000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-73000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-730(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-73000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-71500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-73500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-73500/confic Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-73500/pytor :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-735(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-73500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-72000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-74000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-74000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-74000/pytor cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-7400 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-74000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-72500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-74500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-74500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-74500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-745(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-74500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-73000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-75000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-75000/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-75000/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-750(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-75000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-73500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-75500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-75500/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-75500/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-755(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-75500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-74000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-76000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-76000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-76000/pytor cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-760(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-76000,

Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-74500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-76500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-76500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-76500/pytorc cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-7650 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-76500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-75000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-77000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-77000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-77000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-770(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-77000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-75500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-77500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-77500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-77500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-775(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-77500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-76000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-78000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-78000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-78000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-780(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-78000/ Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-76500] of Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-78500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-78500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-78500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-7850 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-78500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-77000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-79000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-79000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-79000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-790(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-79000 Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-77500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-79500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-79500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-79500/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-795(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-79500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-78000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-80000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-80000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-80000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-8000 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-80000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-78500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-80500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-80500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-80500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-8050 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-80500/ Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-79000] of Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-81000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-81000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-81000/pytor :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-810(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-81000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-79500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-81500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-81500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-81500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-815(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-81500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-80000] Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-82000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-82000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-82000/pytor :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-820(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-82000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-80500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-82500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-82500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-82500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-825(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-82500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-81000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-83000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-83000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-83000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-830(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-83000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-81500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-83500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-83500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-83500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-835(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-83500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-82000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-84000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-84000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-84000/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-840(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-84000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-82500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-84500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-84500/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-84500/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-8450 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-84500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-83000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-85000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-85000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-85000/pytorc cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-8500 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-85000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-83500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-85500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-85500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-85500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-855(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-85500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-84000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-86000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-86000/confic Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-86000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-8600 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-86000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-84500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-86500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-86500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-86500/pytor :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-8650 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-86500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-85000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-87000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-87000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-87000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-870(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-87000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-85500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-87500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-87500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-87500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-875(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-87500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-86000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-88000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-88000/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-88000/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-880(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-88000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-86500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-88500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-88500/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-88500/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-885(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-88500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-87000] Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-89000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-89000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-89000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-890(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-89000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-87500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-89500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-89500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-89500/pytorc cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-8950 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-89500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-88000] (The following columns in the evaluation set don't have a corresponding argument in ***** Running Evaluation *****

Num examples = 13368

Batch size = 16

Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-90000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-90000/configured weights saved in t5-small-finetuned-t5-summarization/checkpoint-90000/pvtore

:okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-9000 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-90000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-88500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-90500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-90500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-90500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-905(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-90500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-89000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-91000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-91000/confic Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-91000/pytorc cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-9100 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-91000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-89500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-91500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-91500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-91500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-915(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-91500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-90000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-92000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-92000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-92000/pytor :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-920(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-92000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-90500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-92500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-92500/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-92500/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-925(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-92500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-91000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-93000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-93000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-93000/pytorc cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-9300 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-93000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-91500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-93500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-93500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-93500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-935(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-93500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-92000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-94000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-94000/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-94000/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-940(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-94000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-92500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-94500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-94500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-94500/pytor :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-945(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-94500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-93000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-95000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-95000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-95000/pytorc cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-9500 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-95000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-93500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-95500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-95500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-95500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-955(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-95500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-94000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-96000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-96000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-96000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-9600 Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-96000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-94500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-96500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-96500/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-96500/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-965(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-96500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-95000] Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-97000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-97000/confic fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-97000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-9700 Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-97000, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-95500] of Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-97500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-97500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-97500/pytorc cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-9750 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-97500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-96000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-98000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-98000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-98000/pytorc cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-9800 Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-98000/ Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-96500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-98500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-98500/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-98500/pytor :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-985(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-98500/ Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-97000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-99000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-99000/config fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-99000/pytorc :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-9900 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-99000/ Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-97500] of Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-99500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-99500/config Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-99500/pytoro :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-995(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-99500, Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-98000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-100000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-100000/confi Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-100000/pyton :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-100(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-100000 Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-98500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-100500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-100500/confi Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-100500/pyton :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-100! Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-100500 Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-99000] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-101000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-101000/confi Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-101000/pyton :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-1010 Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-101000 Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-99500] (Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-101500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-101500/confi Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-101500/pyton :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-101! Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-101500 Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-100000] Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-102000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-102000/confi fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-102000/pyton cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-1020 Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-102000 Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-100500] Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-102500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-102500/confi fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-102500/pyton :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-102! Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-102500 Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-101000] Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-103000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-103000/confi Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-103000/pyton :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-103(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-103000 Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-101500] Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-103500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-103500/confi Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-103500/pyton cokenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-1035 Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-103500 Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-102000] Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-104000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-104000/confi fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-104000/pyton :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-104(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-104000 Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-102500] Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-104500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-104500/confi Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-104500/pyton :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-104! Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-104500 Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-103000] Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-105000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-105000/confi fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-105000/pytox :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-105(Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-105000 Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-103500] Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-105500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-105500/confi Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-105500/pyton :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-105! special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-105500 Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-104000] Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-106000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-106000/confi Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-106000/pyton :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-106(special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-106000 Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-104500] Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-106500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-106500/confi fodel weights saved in t5-small-finetuned-t5-summarization/checkpoint-106500/pytox :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-106! Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-106500 Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-105000] Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-107000 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-107000/confi Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-107000/pyton :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-1070 special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-107000 Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-105500] Saving model checkpoint to t5-small-finetuned-t5-summarization/checkpoint-107500 Configuration saved in t5-small-finetuned-t5-summarization/checkpoint-107500/confi Model weights saved in t5-small-finetuned-t5-summarization/checkpoint-107500/pyton :okenizer config file saved in t5-small-finetuned-t5-summarization/checkpoint-107! Special tokens file saved in t5-small-finetuned-t5-summarization/checkpoint-107500 Deleting older checkpoint [t5-small-finetuned-t5-summarization/checkpoint-106000] The following columns in the evaluation set don't have a corresponding argument in ***** Running Evaluation *****

Num examples = 13368 Batch size = 16

Praining completed. Do not forget to share your model on huggingface.co/models =)

Saving the model on huggingface hub

• After saving the model on huggingface hub, it can be used by anyone from this link:

```
trainer.push_to_hub()
     Saving model checkpoint to t5-small-finetuned-t5-summarization
     Configuration saved in t5-small-finetuned-t5-summarization/config.json
     Model weights saved in t5-small-finetuned-t5-summarization/pytorch model.bin
     tokenizer config file saved in t5-small-finetuned-t5-summarization/tokenizer con:
     Special tokens file saved in t5-small-finetuned-t5-summarization/special tokens 1
     Several commits (2) will be pushed upstream.
     WARNING: huggingface hub.repository: Several commits (2) will be pushed upstream.
     The progress bars may be unreliable.
     WARNING: huggingface hub.repository: The progress bars may be unreliable.
     Upload file pytorch_model.bin: 100%
                                                                        231M/231M [03:28<00:00,
     Upload file runs/Dec01_16-42-17_15788a09b431/events.out.tfevents.1669913039.15788a09b431.106.0:
     100%
     remote: Scanning LFS files for validity, may be slow...
     remote: LFS file scan complete.
     To https://huggingface.co/ajitjadhav/t5-small-finetuned-t5-summarization
        804b6be..1a3afbd main -> main
    WARNING:huggingface_hub.repository:remote: Scanning LFS files for validity, may |
     remote: LFS file scan complete.
     To https://huggingface.co/ajitjadhav/t5-small-finetuned-t5-summarization
        804b6be..la3afbd main -> main
     To https://huggingface.co/ajitjadhav/t5-small-finetuned-t5-summarization
        1a3afbd..c69955f main -> main
    WARNING: huggingface hub.repository: To <a href="https://huggingface.co/ajitjadhav/t5-small">https://huggingface.co/ajitjadhav/t5-small</a>
        1a3afbd..c69955f main -> main
```

Importing our fine-tuned model from hugging face hub for summarization (https://huggingface.co/ajitjadhav/t5-small-finetuned-t5-summarization)

```
!pip install -qq torch
!pip install -qq sentencepiece

pip install transformers -q

from transformers import AutoTokenizer, AutoModelForSeq2SeqLM

tokenizer = AutoTokenizer.from_pretrained("ajitjadhav/t5-small-finetuned-t5-summarizat
model = AutoModelForSeq2SeqLM.from_pretrained("ajitjadhav/t5-small-finetuned-t5-summarizat)
```

```
import torch
import json
device = torch.device('cpu')
text =""" The US has "passed the peak" on new coronavirus cases, President Donald Trum
The US has over 637,000 confirmed Covid-19 cases and over 30,826 deaths, the highest 1
At the daily White House coronavirus briefing on Wednesday, Trump said new guidelines
"We'll be the comeback kids, all of us," he said. "We want to get our country back."
The Trump administration has previously fixed May 1 as a possible date to reopen the \nu
preprocess_text = text.strip().replace("\n","")
t5 prepared Text = "summarize: "+preprocess_text
print ("original text preprocessed: \n", preprocess text)
tokenized_text = tokenizer.encode(t5_prepared_Text, return_tensors="pt").to(device)
# summmarize
summary ids = model.generate(tokenized text,
                                     num beams=4,
                                     no_repeat_ngram_size=2,
                                     min length=30,
                                     max length=100,
                                     early stopping=True)
output = tokenizer.decode(summary ids[0], skip special tokens=True)
print ("\n\nSummarized text: \n",output)
    ident Donald Trump said and predicted that some states would reopen this month. Th
    s month. The US has over 637,000 confirmed Covid-19 cases and over 30,826 deaths,
Calculating Flesch score of the complete and summarized text
!pip install textstat
    Looking in indexes: <a href="https://pypi.org/simple">https://us-python.pkg.dev/colab-whee</a>
    Requirement already satisfied: textstat in /usr/local/lib/python3.7/dist-package:
    Requirement already satisfied: pyphen in /usr/local/lib/python3.7/dist-packages
import numpy as np
from pandas import DataFrame
import textstat
```

```
complete text=""" The US has "passed the peak" on new coronavirus cases, President Dor
The US has over 637,000 confirmed Covid-19 cases and over 30,826 deaths, the highest 1
At the daily White House coronavirus briefing on Wednesday, Trump said new guidelines
"We'll be the comeback kids, all of us," he said. "We want to get our country back."
The Trump administration has previously fixed May 1 as a possible date to reopen the v
complete_text=str(complete_text)
print(textstat.flesch reading ease(complete text))
print(textstat.reading_time(complete_text, ms_per_char=70))
    67.89
    40.95
summarized text="President Donald Trump predicts some states will reopen this month. 1
summarized text=str(summarized text)
print(textstat.flesch reading ease(summarized text))
print(textstat.reading_time(summarized_text, ms_per_char=70))
    81.63
    10.71
```

From the above Flesch score, we can see that our model provides users with an easy to comprehend summary and also reduces reading time.

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✓ 0s completed at 12:25 PM

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