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* * *				
# Datasetsïf●				

Note

The `sentence_transformers.datasets` classes have been deprecated, and only exist for compatibility with the [deprecated training](../../sentence_transformer/training_overview.html#deprecated-training).

* Instead of `SentenceLabelDataset`, you can now use `BatchSamplers.GROUP_BY_LABEL` to use

[`GroupByLabelBatchSampler`](sampler.html#sentence_transformers.sampler.GroupByLabelBatchSampler "sentence_transformers.sampler.GroupByLabelBatchSampler").

* Instead of `NoDuplicatesDataLoader`, you can now use the `BatchSamplers.NO_DUPLICATES` to use the

[`NoDuplicatesBatchSampler`](sampler.html#sentence_transformers.sampler.NoDuplicatesBatchSampler "sentence_transformers.sampler.NoDuplicatesBatchSampler").

`sentence_transformers.datasets` contains classes to organize your training input examples.

ParallelSentencesDatasetïf•

`ParallelSentencesDataset` is used for multilingual training. For details, see [multilingual training](../../examples/training/multilingual/README.html).

_class _sentence_transformers.datasets.ParallelSentencesDataset(_student_model

[SentenceTransformer](SentenceTransformer.html#sentence_transformers.SentenceTransformer

"sentence_transformers.SentenceTransformer")_, _teacher_model:

 $[Sentence Transformer] (Sentence Transformer. html \# sentence _ transformers. Sentence Transformer) (Sentence Tr$

"sentence_transformers.SentenceTransformer")_, _batch_size : int = 8_,

_use_embedding_cache : bool =

True_)[[source]](https://github.com/UKPLab/sentence-

transformers/blob/master/sentence_transformers\\datasets\\ParallelSentencesDataset.py#L25-L204

)ï*f*•

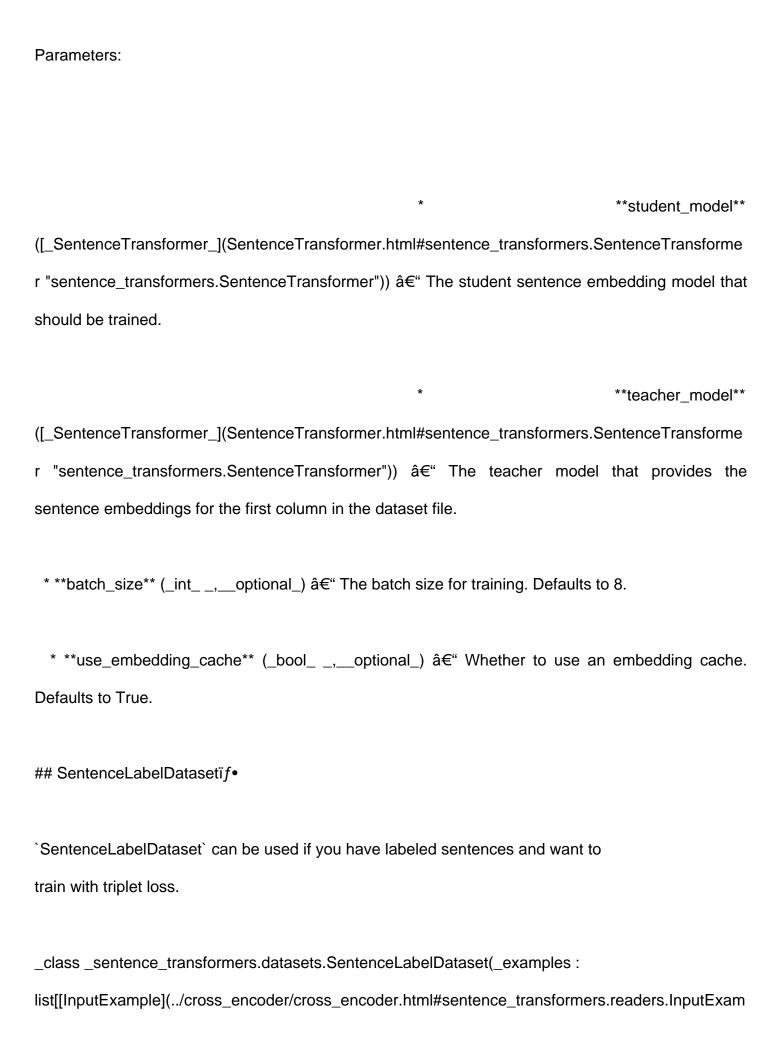
This dataset reader can be used to read-in parallel sentences, i.e., it reads in a file with tab-seperated sentences with the same sentence in different languages. For example, the file can look like this (EN DE ES): hello world hallo welt hola mundo second sentence zweiter satz segunda oración

The sentence in the first column will be mapped to a sentence embedding using the given the embedder. For example, embedder is a mono-lingual sentence embedding method for English. The sentences in the other languages will also be mapped to this English sentence embedding.

When getting a sample from the dataset, we get one sentence with the according sentence embedding for this sentence.

teacher_model can be any class that implement an encode function. The encode function gets a list of sentences and returns a list of sentence embeddings

Parallel sentences dataset reader to train student model given a teacher model



ple
"sentence_transformers.readers.InputExample.InputExample")]_,
_samples_per_label : int = 2_, _with_replacement : bool =
False_)[[source]](https://github.com/UKPLab/sentence-
$transformers/blob/master/sentence_transformers/datasets/SentenceLabelDataset.py\#L23-L111) \"{i} fentenceLabelDataset.py\#L23-L111) \r{f} fentenceLabelDataset.py\#L23-L1110 \r{f}$
This dataset can be used for some specific Triplet Losses like
BATCH_HARD_TRIPLET_LOSS which requires multiple examples with the same label
in a batch.
It draws n consecutive, random and unique samples from one label at a time.
This is repeated for each label.
Labels with fewer than n unique samples are ignored. This also applied to
drawing without replacement, once less than n samples remain for a label, it
is skipped.
This _DOES NOT_ check if there are more labels than the batch is large or if

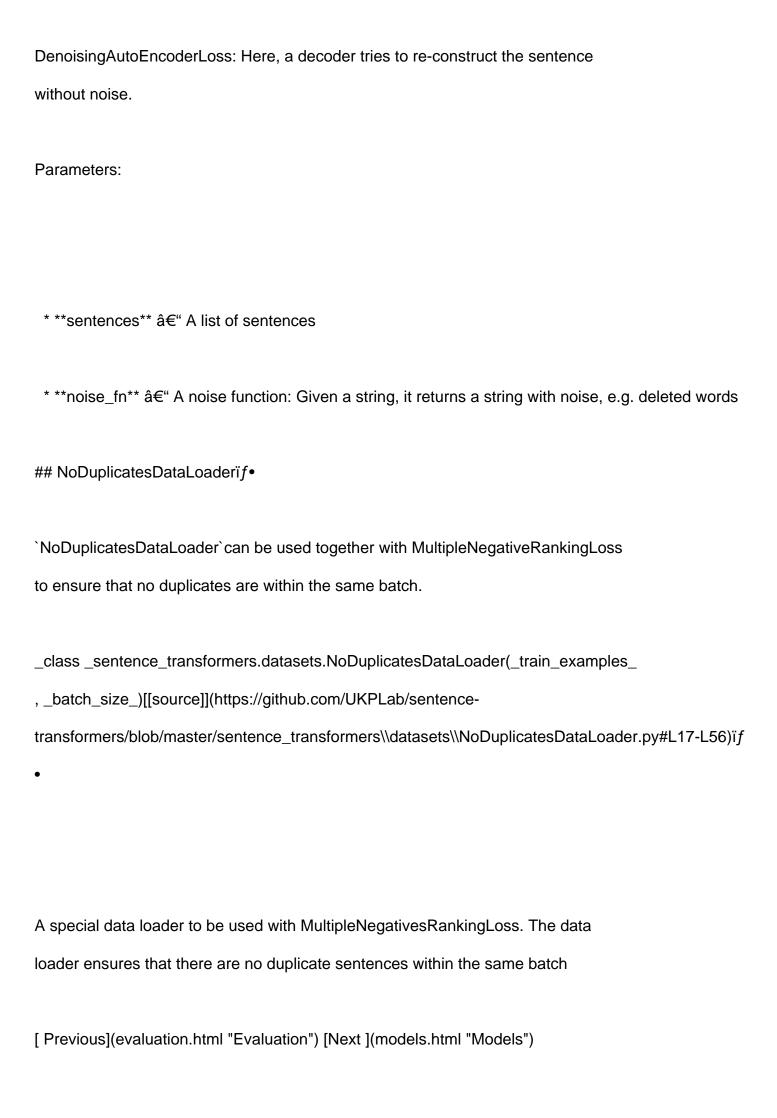
the batch size is divisible by the samples drawn per label.

Creates a LabelSampler for a SentenceLabelDataset.

Parameters:

*	**examples**	(_List_
[[_InputExample_](/cross_encoder/cross_encoder.htm	nl#sentence_transformers	.readers.InputEx
ample "sentence_transformers.readers.InputExample") _]]_) – A list of InputExam	ples.
* **samples_per_label** (_int,optional_) – The n	number of consecutive, ra	ndom, and unique
samples drawn per label. The batch size should be a mult	tiple of samples_per_labe	l. Defaults to 2.
* **with_replacement** (_bool,optional_) – If ¯	True, each sample is dra	awn at most once
(depending on the total number of samples per label). If F	False, one sample can be	drawn in multiple
draws, but not multiple times in the same drawing. Defaul	lts to False.	
## DenoisingAutoEncoderDatasetïf•		
`DenoisingAutoEncoderDataset` is used for unsupervised	I training with the TSDAE	
method.		
_class _sentence_transformers.datasets.DenoisingAutoE	incoderDataset(_sentence	es:
list[str], noise_fn= <function< td=""><td></td><td></td></function<>		
DenoisingAutoEncoderDataset. <lambda>>_)[[source]](htt</lambda>	tps://github.com/UKPLab/	sentence-
transformers/blob/master/sentence_transformers\\dataset	ts\\DenoisingAutoEncode	Dataset.py#L21-
L62)ï <i>f</i> •		

The DenoisingAutoEncoderDataset returns InputExamples in the format: texts=[noise_fn(sentence), sentence] It is used in combination with the



* * *

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