HPLT Analytics report

HPLTAnalytics

General overview

Corpus	Analytics date	Language
nso_Latn.jsonl.tsv	10/31/2024	Northern Sotho (nso)

Volumes

Docs	Segments	Unique segments	Tokens	Size	Characters
6,066	143,306	85,222 (59.47 %)	6.1M	26.86 MB	27,357,543

Top 10 domains

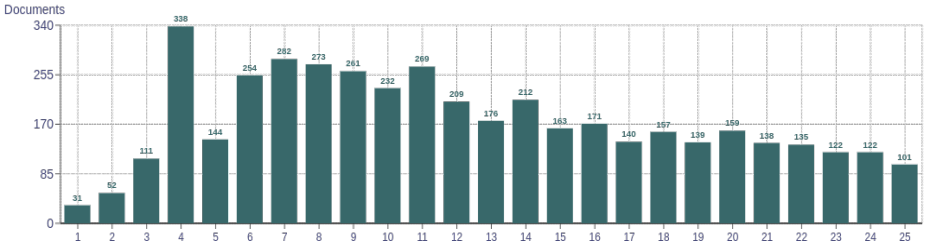
Domain	Docs	% of total
jw.org	4K	65.15
biblesa.co.za	494	8.14
wikipedia.org	315	5.19
southafrica.co.za	258	4.25
oxforddictionaries.com	116	1.91
nalibali.org	97	1.60
sars.gov.za	63	1.04
indabukoyakho.com	34	0.56
fundza.mobi	30	0.49
hockeygods.com	28	0.46

Top 10 TLDs

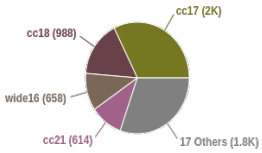
Domain	Docs	% of total
org	4.5K	73.36
co.za	946	15.60
com	369	6.08
gov.za	89	1.47
org.za	62	1.02
net	34	0.56
mobi	32	0.53
ac.za	22	0.36
io	12	0.20
eu	10	0.16

Documents size (in segments)

<= 25 segments **72.39%** (4.4K documents)
> 25 segments **27.61%** (1.7K documents)

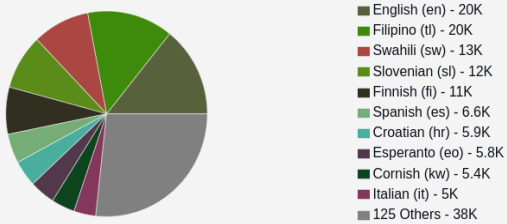


Documents by collection



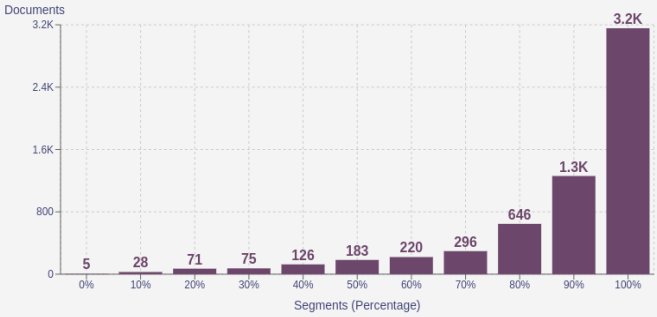
Language Distribution

Number of segments



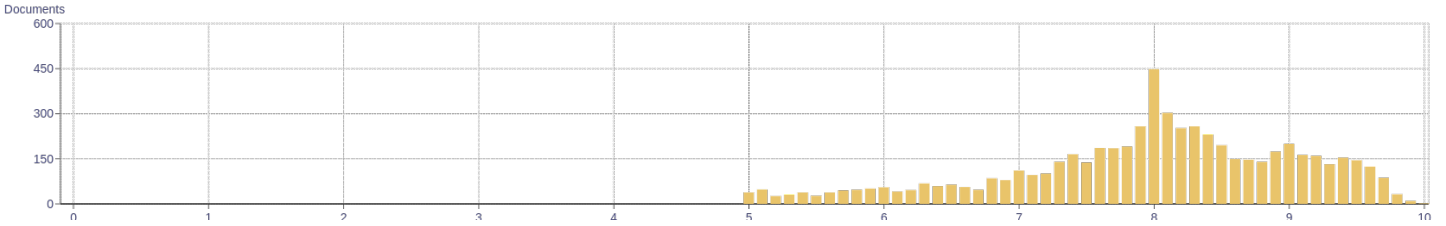
*Northern Sotho (nso) identification might be inaccurate because language is not supported by Fasttext

Percentage of segments in Northern Sotho (nso) inside documents



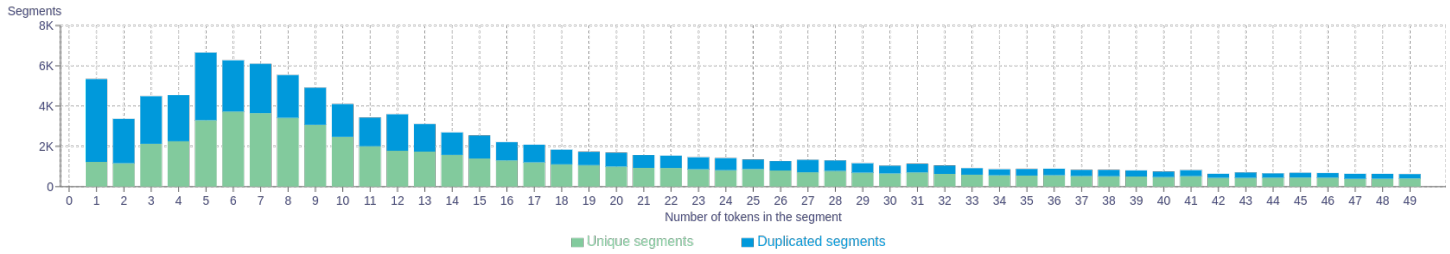
Distribution of documents by document score

score < 5 - **0%** (0 documents)
score >= 5 - **100%** (6.1K documents)

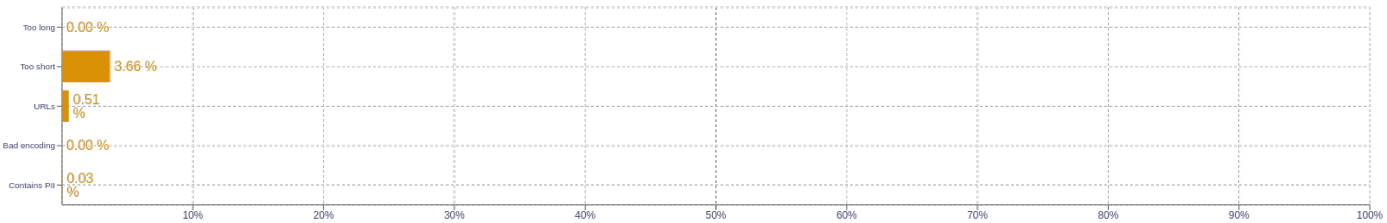


Segment length distribution by token

<= 49 tokens = **58K** segments | **47K** duplicates
> 50 tokens = **39K** segments | **12K** duplicates



Segment noise distribution



About HPLT Analytics

Volumes - Segments

Segments correspond to paragraph and list boundaries as defined by HTML elements (<p>, <ul>, <ol>, etc.) replaced by newlines.

Volumes - Tokens

Tokenized with https://github.com/hplt-project/data-analytics-tool/blob/main/tokenizers-info.md

Type-Token Ratio

Lexical variety computed as *number or types (uniques)/number of tokens*, after removing punctuation (https://www.sltinfo.com/wp-content/uploads/2014/01/type-token-ratio.pdf).

Document size (in segments)

Segments correspond to paragraph and list boundaries as defined by HTML elements (<p>, <ul>, <ol>, etc.) replaced by newlines.

Language distribution

Language identified with FastSpell (https://github.com/mbanon/fastspell).

Distribution of segments by fluency score

Obtained with Monocleaner (https://github.com/bitextor/monocleaner).

Distribution of documents by average fluency score

Obtained with Monocleaner (https://github.com/bitextor/monocleaner).

Distribution of documents by document score

Obtained with Web Docs Scorer (https://github.com/pablop16n/web-docs-scorer/).

Segment length distribution by token

Tokenized with https://github.com/hplt-project/data-analytics-tool/blob/main/tokenizers-info.md

Segment noise distribution

Obtained with Bicleaner Hardrules (https://github.com/bitextor/bicleaner-hardrules/).

Frequent n-grams

Tokenized with https://github.com/hplt-project/data-analytics-tool/blob/main/tokenizers-info.md, after removing n-grams starting or ending in a stopword. Stopwords from https://github.com/hplt-project/data-analytics-tool/blob/main/scripts/resources/README.txt