HPLT Analytics report

HPLTAnalytics

General overview

Corpus	Analytics date	Language
swh_Latn.jsonl.tsv	9/22/2024	Swahili (swh)

Volumes

Docs	Segments	Unique segments	Tokens	Size	Characters
1,373,860	34,308,768	14,568,570 (42.46 %)	834M	4.34 GB	4,631,243,067

Top 10 domains

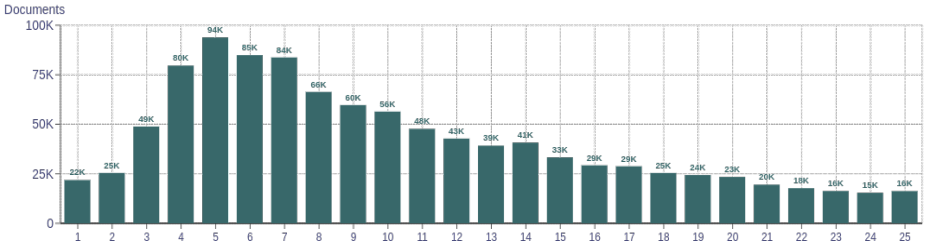
Domain	Docs	% of total
blogspot.com	190K	13.81
unmultimedia.org	65K	4.76
wikipedia.org	58K	4.19
ackyshine.com	53K	3.88
jamiiforums.com	35K	2.56
tuko.co.ke	29K	2.14
voaswahili.com	23K	1.70
mtanzania.co.tz	17K	1.21
mwanahalisionline.com	15K	1.06
dw.com	14K	1.05

Top 10 TLDs

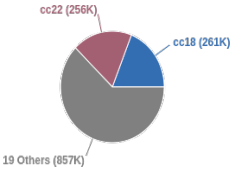
Domain	Docs	% of total
com	773K	56.26
org	208K	15.15
co.tz	149K	10.84
co.ke	60K	4.38
go.tz	23K	1.70
net	21K	1.56
fr	14K	1.00
no	9.3K	0.67
info	8K	0.58
com.br	6.6K	0.48

Documents size (in segments)

<= 25 segments **75.78%** (1M documents)
> 25 segments **24.22%** (333K documents)

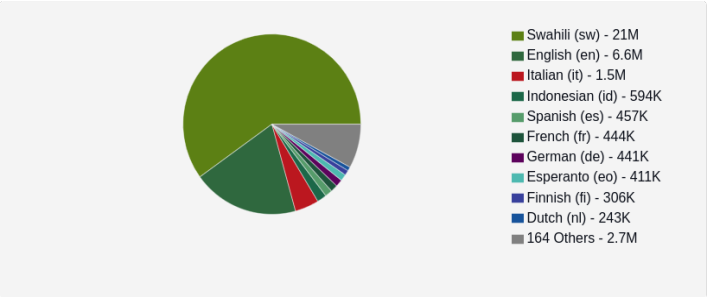


Documents by collection

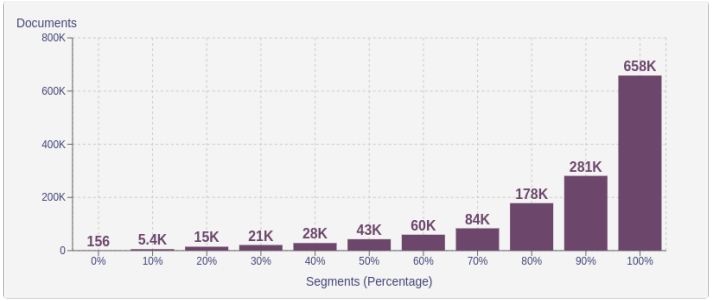


Language Distribution

Number of segments

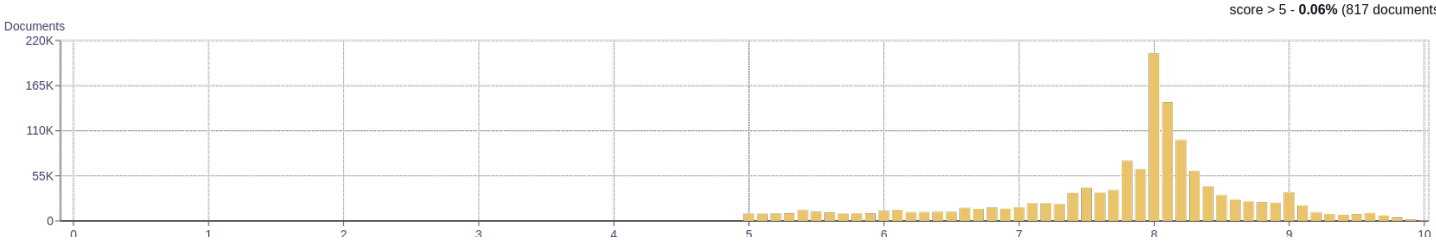


Percentage of segments in Swahili (swh) inside documents



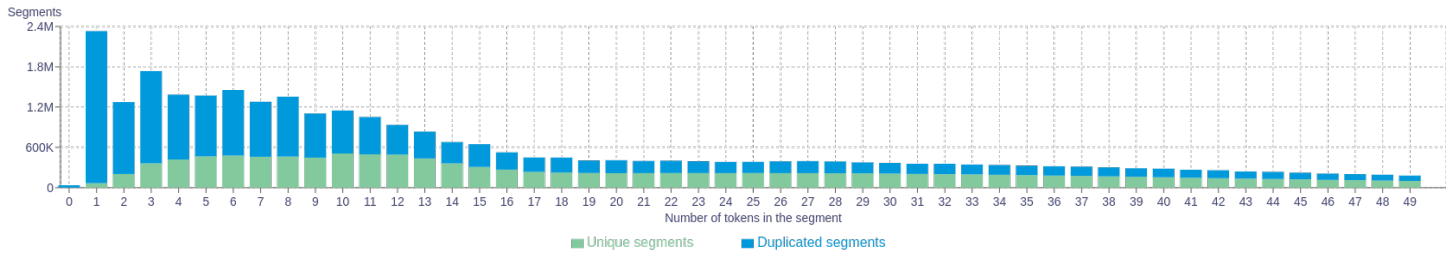
Distribution of documents by document score

score <= 5 - **99.94%** (1.4M documents)
score > 5 - **0.06%** (817 documents)

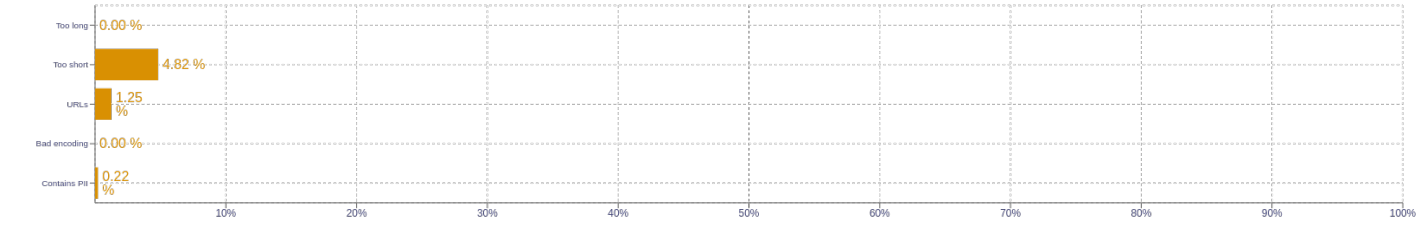


Segment length distribution by token

<= 49 tokens = **12M** segments | **18M** duplicates
> 50 tokens = **4.3M** segments | **2M** duplicates



Segment noise distribution



Frequent n-grams

Size	n-grams
1	hii | 2122035 · au | 2046121 · vya | 1750493 · π | 1693235 · mwaka | 1437946
2	dar es | 545049 · es salaam | 535678 · mwaka huu | 267434 · jijini dar | 257086 · mwenyezi mungu | 220984
3	dar es salaam | 531282 · umoja wa mataifa | 275814 · jijini dar es | 228418 · jamhuri ya muungano | 147850 · waandishi wa habari | 138397
4	jijini dar es salaam | 222328 · katibu mkuu wa umoja | 41998 · ofisi ya waziri mkuu | 35241 · mkoa wa dar es | 28285 · dar es salaam leo | 27464
5	jamhuri ya muungano wa tanzania | 120460 · rais wa jamhuri ya muungano | 81605 · mkuu wa umoja wa mataifa | 40642 · akizungumza na waandishi wa habari | 33455 · mwenyekiti wa baraza la mapinduzi | 30186

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