HPLT Analytics report

HPLTAnalytics

General overview

Corpus	Analytics date	Language
kk_1.jsonl.tsv	3/22/2024	Kazakh (kk)

Volumes

Docs	Segments	Unique segments	Tokens	Size
406,351	51,693,572	41,481 (0.08 %)	612M	6.1 GB

Type-Token Ratio

Kazakh (kk)
0.01

Top 10 domains

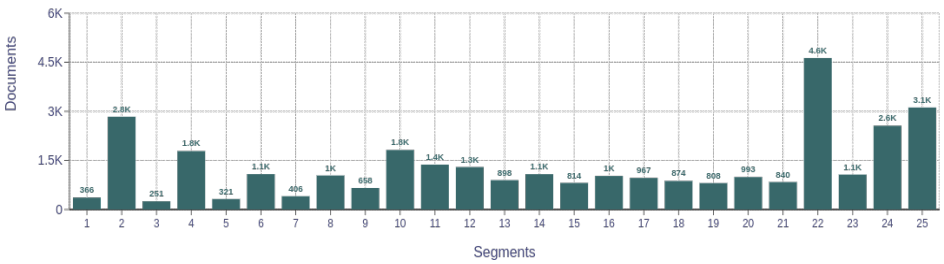
Domain	Docs	% of total
kodeksy-kz.com	18K	4.34
nur.kz	14K	3.46
game-game.kz	8.4K	2.07
wikipedia.org	8.3K	2.05
bilimdiler.kz	7.9K	1.94
zan.kz	6.2K	1.53
alashainasy.kz	5.9K	1.45
lektsii.org	5.9K	1.44
qazaquni.kz	4.9K	1.21
mylektsii.ru	4.3K	1.06

Top 10 TLDs

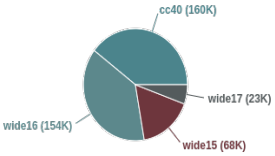
Domain	Docs	% of total
kz	268K	65.98
com	42K	10.24
org	32K	7.91
ru	19K	4.66
gov.kz	11K	2.79
info	9.1K	2.23
net	6.9K	1.70
ua	2.8K	0.69
edu.kz	2.3K	0.55
news	1.9K	0.46

Documents size (in segments)

<= 25 segments **8.14%** (33K documents)
> 25 segments **91.86%** (371K documents)

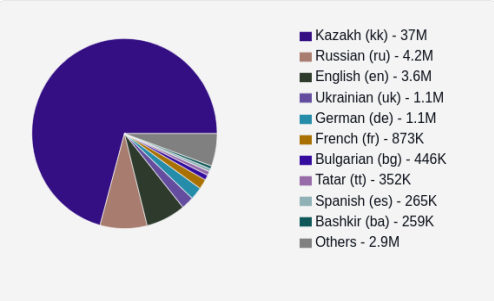


Documents by collection

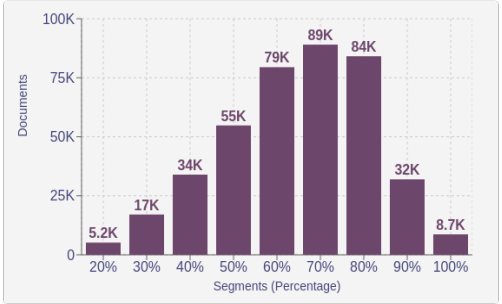


Language Distribution

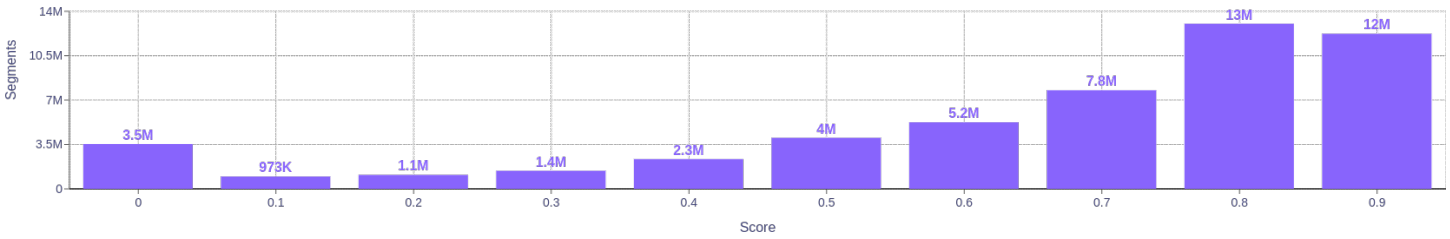
Number of segments



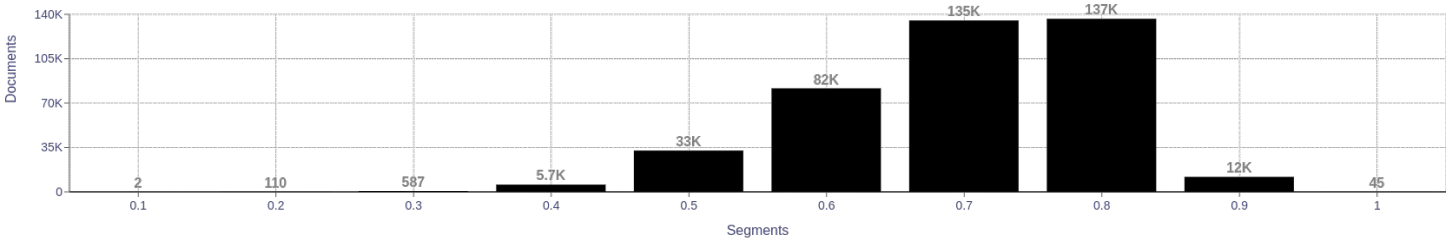
Percentage of segments in Kazakh (kk) inside documents



Distribution of segments by fluency score

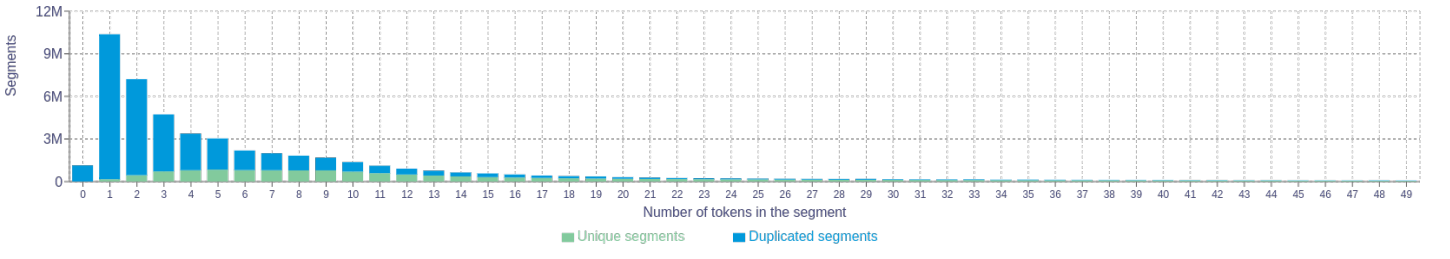


Distribution of documents by average fluency score

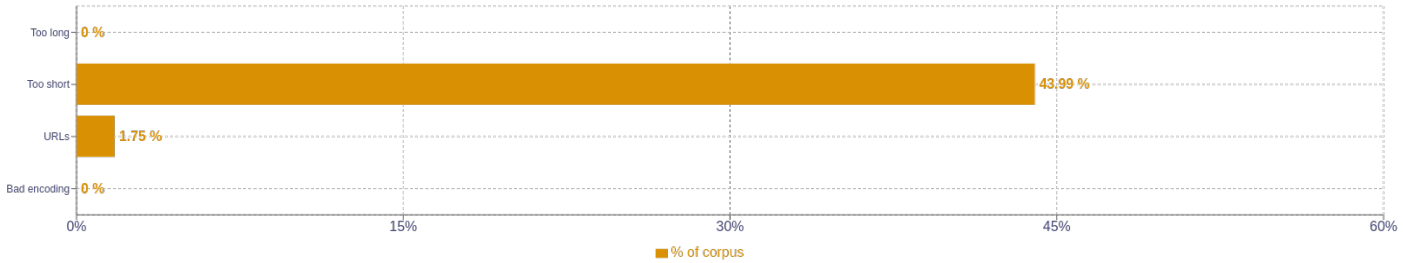


Segment length distribution by token

<= 49 tokens = **13M** segments | **36M** duplicates
> 50 tokens = **2.4M** segments | **425K** duplicates



Segment noise distribution



Frequent n-grams

Size	n-grams
1	және | 5609164 · қазақстан | 1833616 · да | 1401038 · бойынша | 1400474 · бір | 1366271
2	қазақстан республикасының | 556431 · қазақстан республикасы | 385886 · білім беру | 268447 · болып табылады | 248914 · басқа да | 155028
3	сыбайлас жемқорлыққа қарсы | 63128 · өткен соң қолданысқа | 51531 · және басқа да | 51024 · білім және ғылым | 50872 · қазақстан республикасы үкіметінің | 47140
4	күн өткен соң қолданысқа | 48564 · өткен соң қолданысқа енгізіледі | 39894 · алғашқы ресми жарияланған күнінен | 35181 · күнтізбелік он күн өткен | 34256 · тарих және география пәнінен | 29632
5	он күн өткен соң қолданысқа | 43772 · күн өткен соң қолданысқа енгізіледі | 37735 · тарих және география пәнінен үзд | 29621 · ресми жарияланған күнінен кейін күнтізбелік | 23392 · күнінен кейін күнтізбелік он күн | 20478

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).

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.

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