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# OxfordLanguages


# About us

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Oxford University Press is the world's largest university press. Today OUP has offices in 50 countries.

OxfordLanguages

Looking beyond traditional publishing to develop new ways of supporting customers, OUP established Oxford Languages to provide digital languages data.

Oxford Dictionaries → OxfordLanguages

We rebranded to better reflect the changing needs of our customers, moving beyond traditional dictionary publishing into human-curated language data provision.

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# Language data by language specialists


## Data for AI

Our language data specialists build unique lexical (text and speech) datasets suitable for model training and other natural language processing (NLP) applications.

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# Use cases we support

## Machine Translation

Parallel datasets that can support machine translation.

## AI voice generator

Pronunciation datasets with lexical transcriptions and audio to improve text-to-speech and AI dubbing applications.

## Conversational AI

Language databases designed to help with natural language understanding, enabling models to learn languages and interpret meaning accurately.

## NLP Keyboard

Sensitivity labels in the data can be used to improve handling of offensive, vulgar, or demeaning language, while dialect labels improve text prediction in regional dialects and language variations.

## AI writing assistant tools

Lexical datasets that aid writing tools in suggesting grammar, spelling, and vocabulary improvements.

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# Our clients

synthesia

Google Translate

WELLSAID

texthelp®

Microsoft Translator

AI21labs

grammarly

ELEMENTAL cognition

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# Available Languages

| | | | | |
|---|---|---|---|---|
| Afrikaans | Arabic | Assamese | Bengali | Bulgarian |
| Catalan | Chinese Simplified | Chinese Traditional | Croatian | Czech |
| Danish | Dutch | English American | English Australian | English British |
| English Canadian | English Indian | Finnish | French Canadian | French European |
| Georgian | German | German Swiss | Greek Modern | Gujarati |
| Hausa | Hebrew Modern | Hindi | Hungarian | Indonesian |
| isiXhosa | isiZulu | Italian | Japanese | Kannada |
| Kazakh | Korean | Latvian | Malay | Malayalam |
| Marathi | Northern Sotho | Norwegian | Odia | Polish |
| Portuguese Brazilian | Portuguese European | Punjabi | Quechua | Romanian |
| Russian | Setswana | Slovenian | Spanish European | Spanish Latin American |
| Swahili | Swedish | Tamil | Tatar | Telugu |
| Tok Pisin | Thai | Turkish | Turkmen | Ukrainian |
| Urdu | Vietnamese | Welsh | | |

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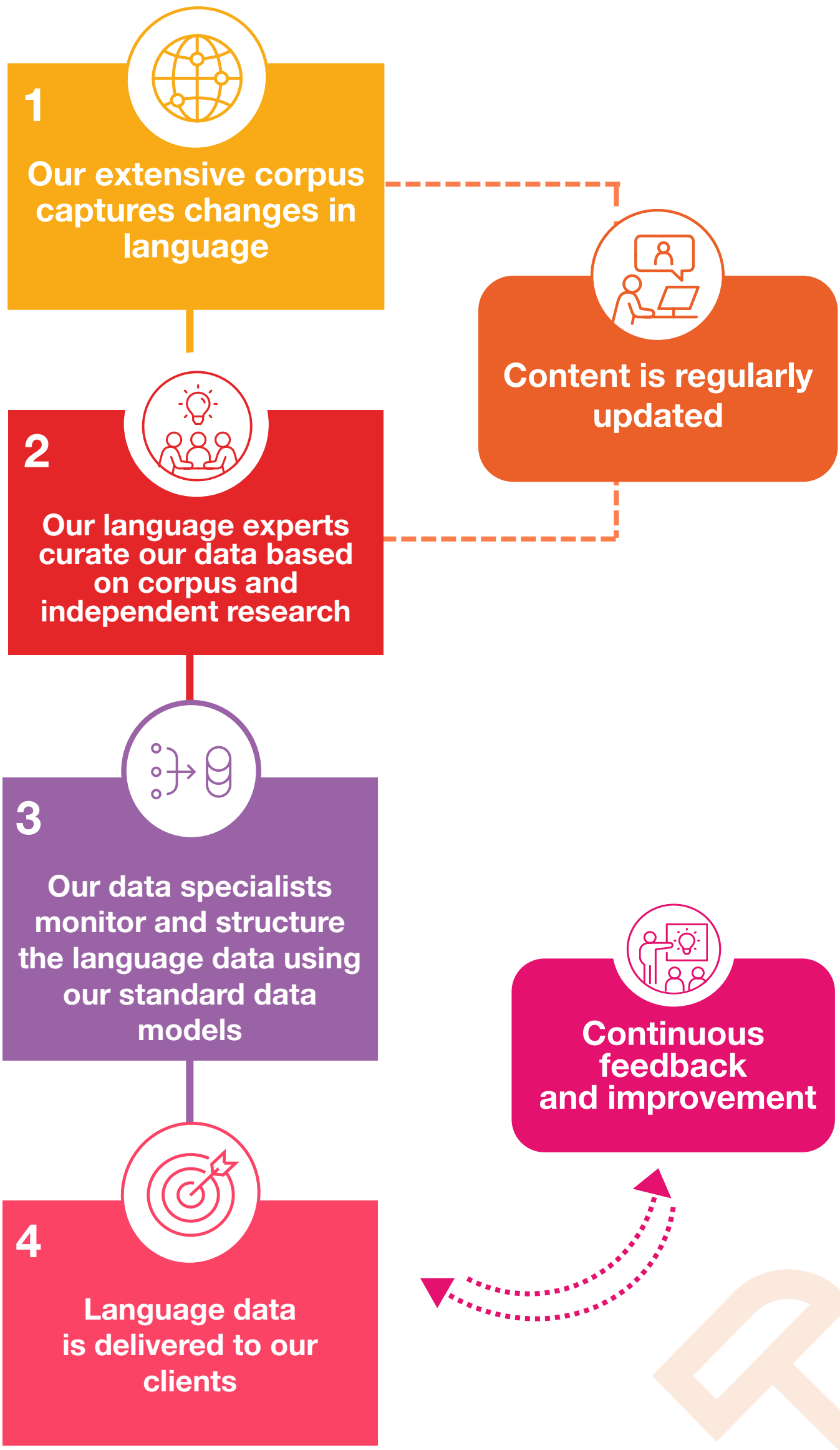
# Accurate and reliable data you can trust

Our datasets' language content is carefully curated and annotated by language experts who are passionate about language.




# Lexical Datasets

Built using a combination of world-leading corpus data, human-curated dictionary content, and reviewed by native linguists at every step, our lexical data is optimized for NLP solutions.

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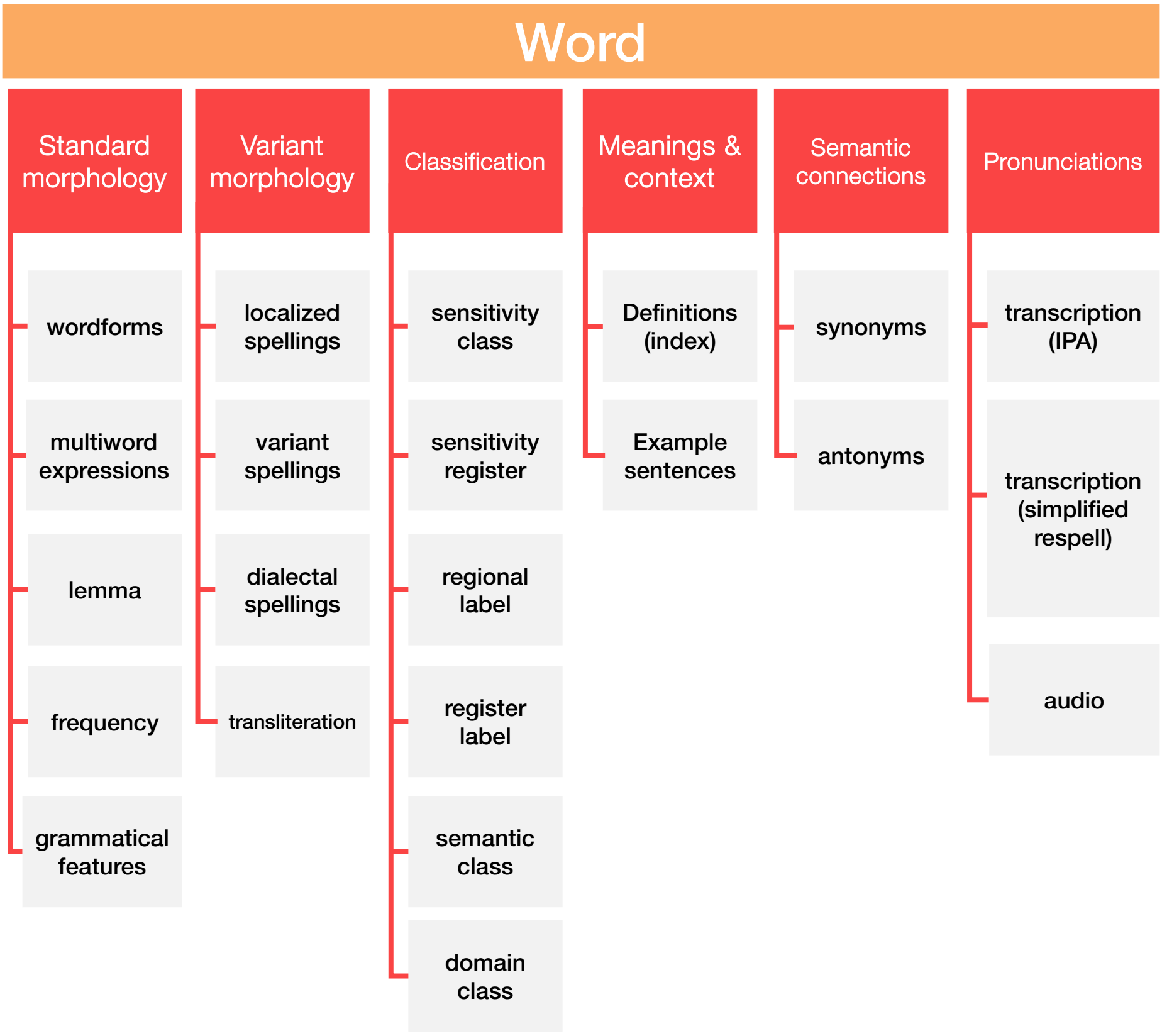
# Lexical datasets features




Our **lexicon datasets** are developed by linguistic experts and can be customized for prompting and fine-tuning for specific use cases such as word-sense disambiguation (meaning and context features), text classification (classification features), and text-to-speech (pronunciation features).

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# Basic features and sample

philologien
(Wordform)

philologie
(Lemma)

Noun
(Part of Speech)

Feminine, plural, dative.
(Grammatical features)

Sample of one lemma 'philologie' from a basic German dataset.

| Wordform | Lemma | PoS | Gender | Number | Case |
|---|---|---|---|---|---|
| philologie | philologie | N | Fem | Sg | Acc |
| philologie | philologie | N | Fem | Sg | Dat |
| philologie | philologie | N | Fem | Sg | Gen |
| philologie | philologie | N | Fem | Sg | Nom |
| philologien | philologie | N | Fem | Pl | Acc |
| philologien | philologie | N | Fem | Pl | Dat |
| philologien | philologie | N | Fem | Pl | Gen |
| philologien | philologie | N | Fem | Pl | Nom |

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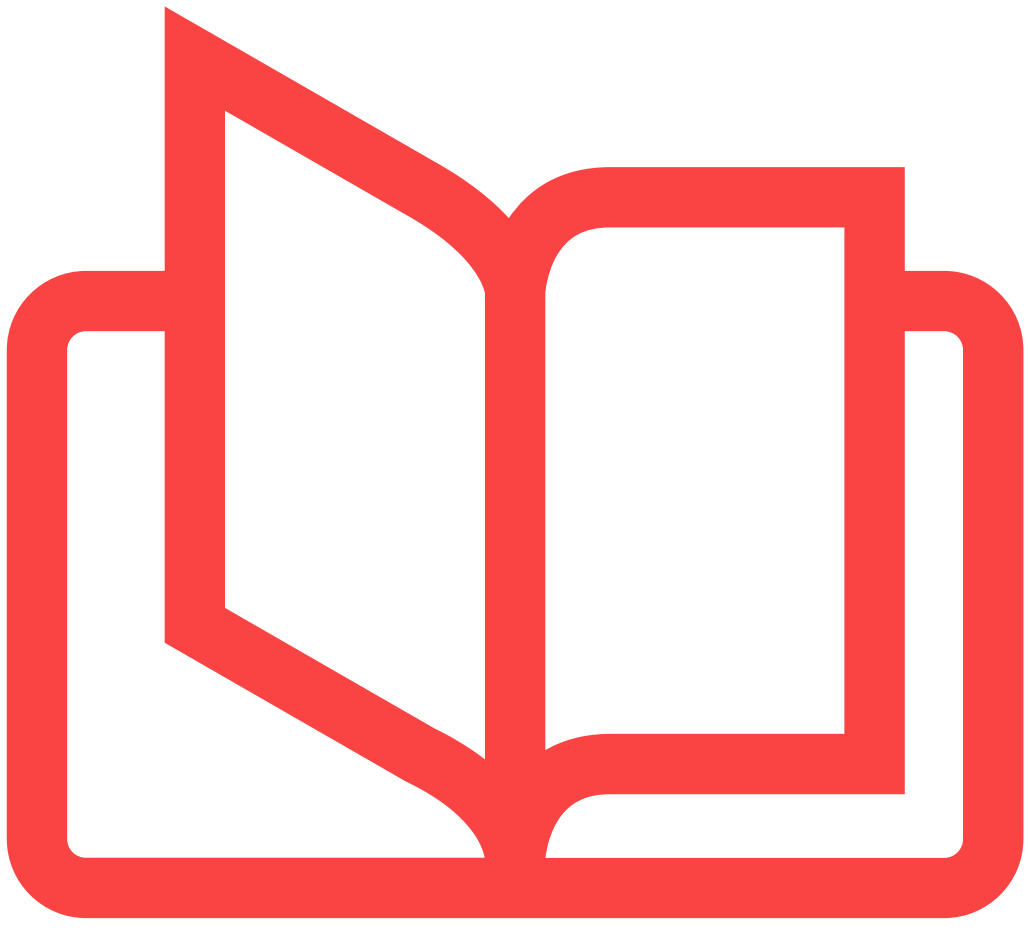
# English Localization


Increase the range and diversity of models with localized lexical data covering English beyond the UK and US.

- Complete coverage of World English varieties:
  - British
  - American
  - Indian
  - Australian
  - Canadian
- Normalized frequency of each wordform in specified general corpora, or in a relevant region-specific corpus.



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# Pronunciation data

friendliness

## Audio pronunciation

High-quality audio files recorded in a controlled environment.

frɛn(d)linəs
frɛn(d).li.nəs

## International phonetic alphabet transcription (IPA)

Pronunciation transcription in IPA to Oxford Languages style, with or without syllabification.

FREND-lee-nuhss

## Oxford English Simple Text Respell

Provides a visual means for interpreting pronunciations, without the need for phonetic or linguistic knowledge.

*Wordform example: friendliness (US English)*

Our pronunciation datasets include coverage of English spoken in other parts of the world such as **American English, British English, Indian English and Australian English.**

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# Hindi


Featuring transliterations and spelling variants, our data allows models to process how Hindi is written and spoken today.

- Lexical data that covers the most important words for Hindi speakers.
- Spelling variation specification that represents the breadth of spelling used by Hindi speakers across India.
- Strict and colloquial transliteration.


In Devanagari which means ‘suddenly’

Transliteration of the word which is accurate to the pronunciation.
It can be used for text-to-speech.

Transliterations which are used by Hindi speakers in informal writing such as social media.
It can be used for assistive writing and other NLP use cases.

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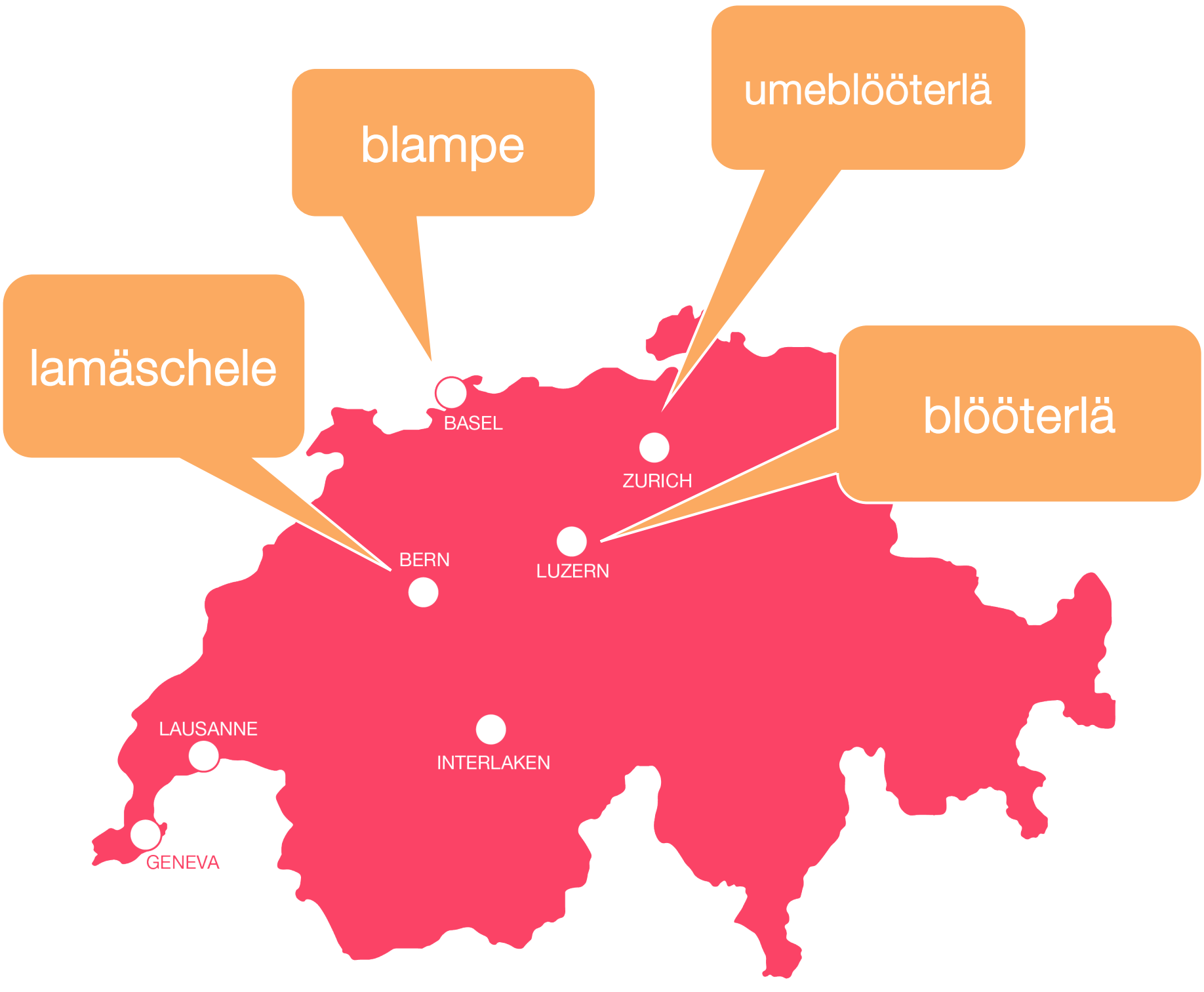
# Swiss German

Dialectal varieties data focused on presenting Standard Swiss German and the Swiss German dialects spoken in Bern, Basel, Zurich and Luzern.

Standard Swiss German: ***langsame*** (plural of langsam, meaning *slow* or *slowly* in SSG)

Below are Swiss German dialects for the word ***langsame.***



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# Swiss German

Further examples:

| Swiss Standard German Wordform | Bern | Basel | Zurich | Luzern |
|---|---|---|---|---|
| **langsamen** | lamäschele | blampee | umeblööterläe | blööterlää |
| **langsame** | lamäscheli | blampi | umeblööterläi | blööterläi |
| **langsamen** | lamäscheleä | blampee | umeblööterläe | blööterlää |
| **langsame** | lamäscheli | blampi | umeblööterläi | blööterläi |
| **langsamen** | lamäscheleä | blampee | umeblööterläe | blööterlää |
| **langsamen** | lamäschelei | blampei | umeblööterläi | blööterläi |


# Academic Corpus

An archive of over 2 billion words and a continually updated pipeline of published content representing the highest standards in academic publishing and covering a diverse range of research domains and genres.

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# Archival corpus of academic research books

Available for pretraining of language models

TOTAL # OF POSSIBLE TITLES

19,300+

AVERAGE PAGE COUNT

338

EST. # OF WORDS

3.38 Billion

EST. # OF SENTENCES

169 Million

Language variety

British & American English

Arts & Humanities

6,755 titles

Social Sciences

6,755 titles

Medicine and Health

2,123 titles

Science and Mathematics

1,351 titles

Law

2,316 titles

Numbers are approximate as of July 2023

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# Parallel Sentences

We offer English sentences that are optimized for translation. These sentences are translated into multiple languages and can be used as training and validation datasets for machine translation.

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# Parallel Sentences

English source sentences cover a variety of simple, complex, and colloquial sentences, with length of sentences ranging from 4-25 words.

Translation is completed by native speaker linguists to a defined translation specification, which favors natural translation.

The persistent semantic inventory identifier (OUPLexID) which is associated with a specific word-sense allows engineers to utilize other sense-specific lexical data from other data in the Oxford Languages linked data ecosystem.

# Oxford Sentence Dictionary

Our largest sense-annotated dataset of real-life examples of English in use.

Contains over 1.9 million sentences representing over 200,000 distinct meanings of over 90,000 words.

It provides up to 20 examples for each meaning, giving a broad range of examples.

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# Thank you

Any *questions?*


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