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LBK2013 – a lexicographic corpus for modern Norwegian bokmål

Purpose:

- **Lemma selection**

  Frequency based lemma selection

  Neologisms/obsolete words

  - ***Singleword lemmas***
    - ***Mus (mouse)* (meaning change)**
    - ***Tastafon* obsolete words**
  - ***Multiword lemmas***
    - ***Være lutter øre (be all ears) obsolete***

LBK – Lexciographical Bokmål Corpus

- The documents in LBK2013 is restricted to the timespan of 1985-2013.
  - Availability
  - Modern language
  - Changes in lexicon related to existing dictionaries (built from excerpts of old language)
  - a balanced corpus of 100 mill. tokens

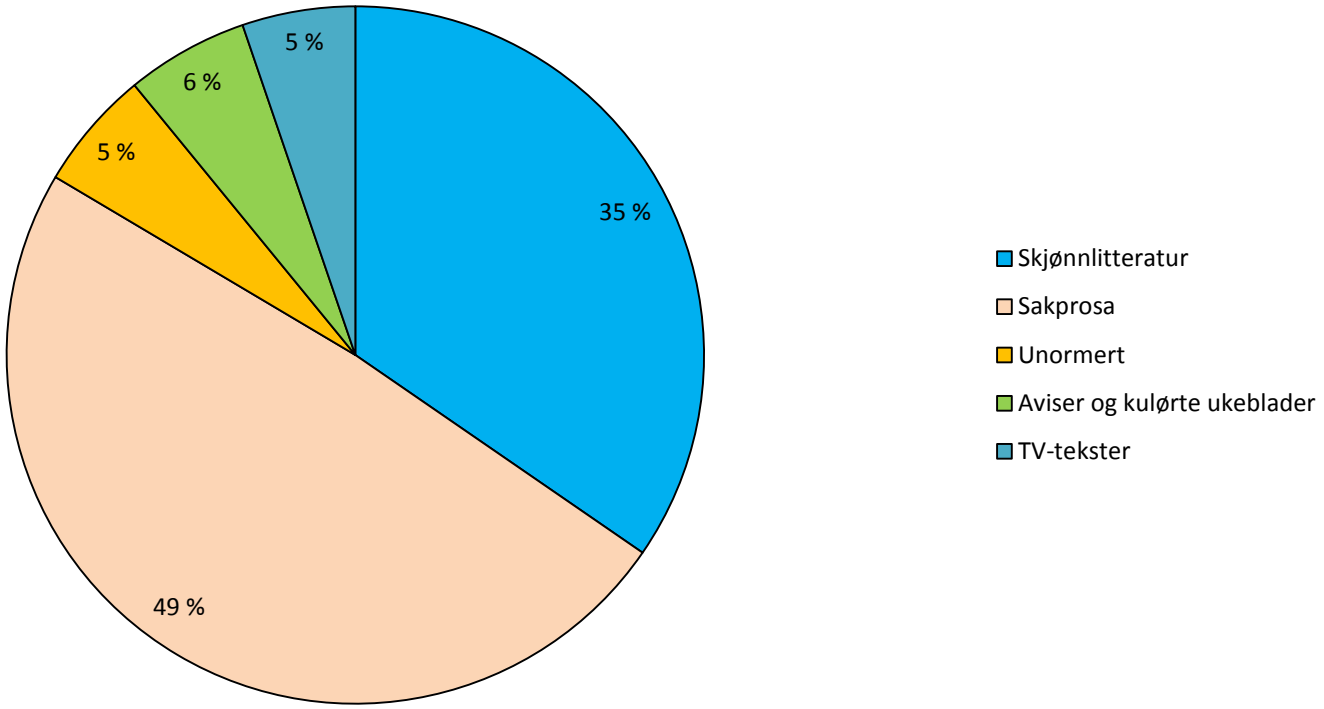
Selection of text types

- Modern fiction
- Text books
- Blogs
- Factual prose
- Law
- Medicin
- Natural siences
- Humaniora
- Sports …

Demography markers

- Age
- Sex
- Place of birth and youth
- Year of birth
- Publisher
- Year of publication
- Such metadata makes it easy to construct subcorpora for comparative investigations and a wide range of queries

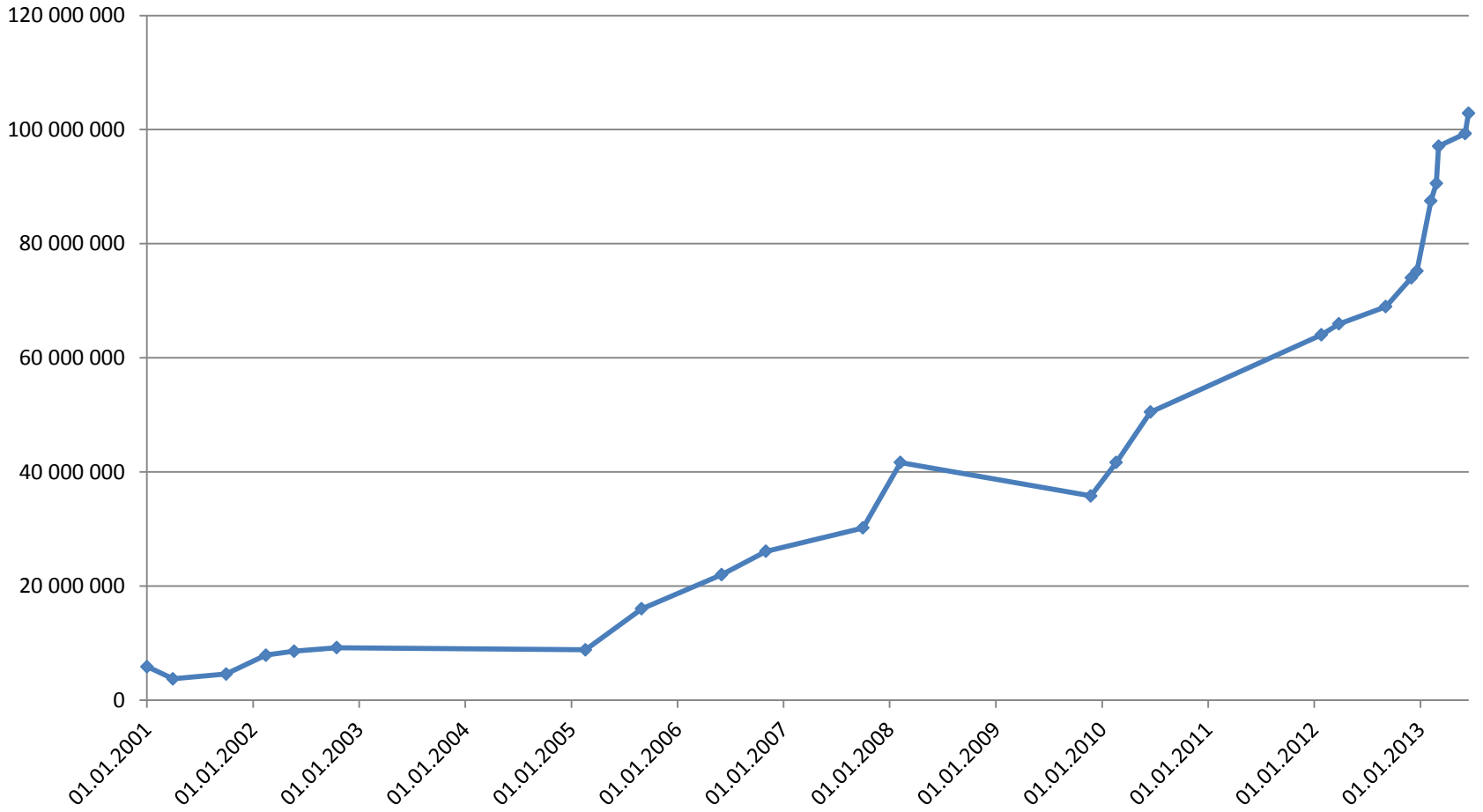
Text categories LBK2013



How?

LBK makes use of the IMS Corpus Workbench, a widely used tool set for managing and querying large text corpora. It is made available for researchers through Glossa, a web based interface for corpora developed at the Text Laboratory, ILN at the University of Oslo. Every document is POS-tagged with the Oslo-Bergen tagger. Additional metadata such as bibliographic and ethnographic information is manually annotated and stored as TEI headers.

Resources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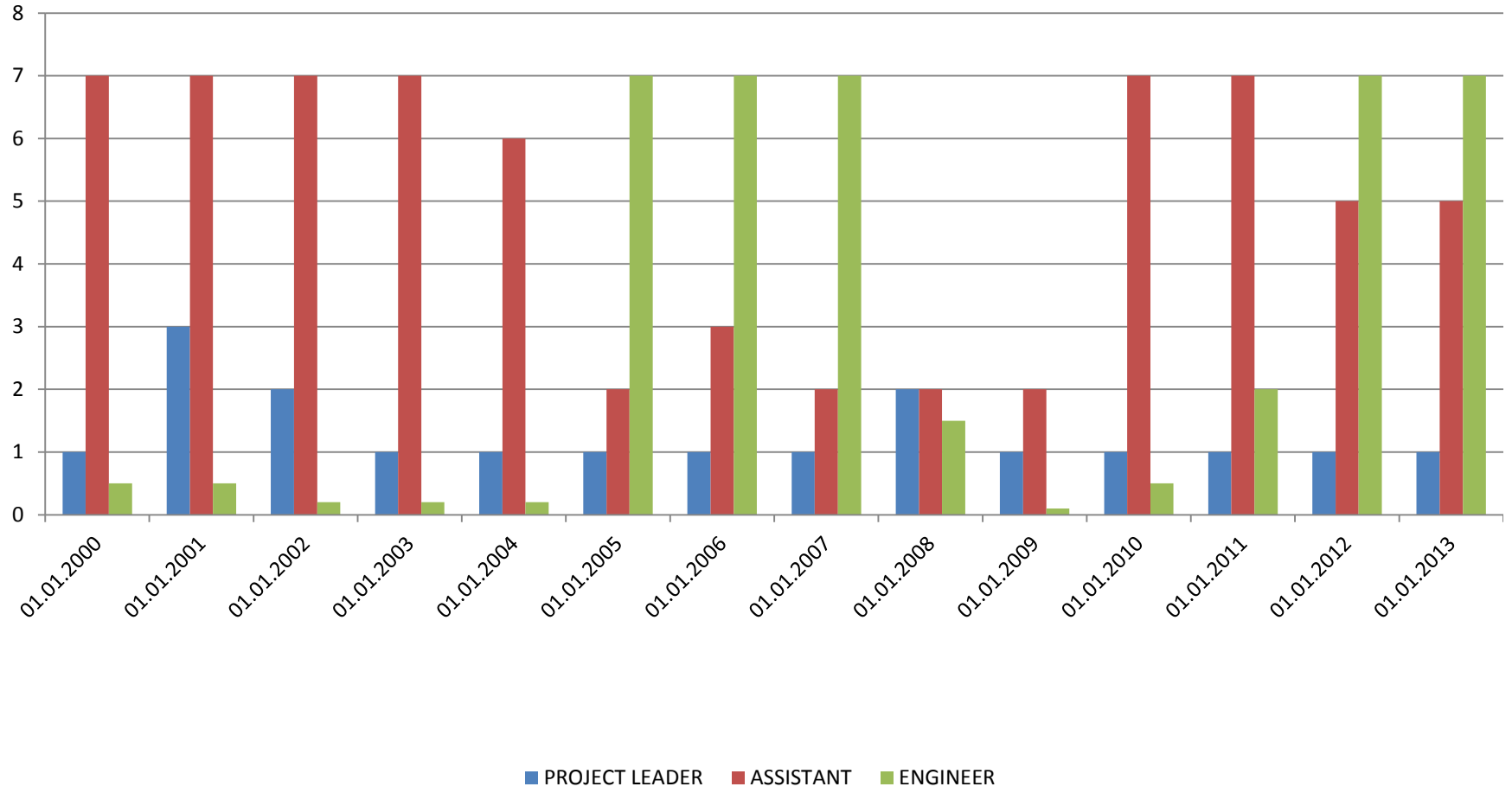
Staff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PROJECT LEADER
ASSISTANT
ENGINEER

New statistical tools

- Frequency counts
- Concordances
- DeepDict analysis (Bick)
- Word Sketch Engine (Kilgarriff)

Why compile a balanced corpus

Statistical analysis of interesting subcorpora for

- **Actual use of recommended morphology**
  - **(standardisation and documentation)**

wordform	TV-text	Total korpus	NoTa
tiden/tida (time)	72/28	92/8	60/40
takken/takka (thanks)	100/0	100/0	-
hjelpen/hjelpa (help)	91/9	95/5	50/50
lysten/lysta (desire)	100/0	100/0	100/0
moren/mora (mother)	81/19	91/9	79/11
kvinnen/kvinna (woman)	100/0	99/1	100/0
uken/uka (week)	42/58	63/37	21/79

How to mark up a corpus

- **PoS-tagging by automatic analysis**
- **Grammar: valency/argument structure etc.**
    - **Jeg har tenkt til å gjøre det** (I intend to do it)
    - **Flaska knuste** (the bottle broke)

Muslim as first part of composita(1985-2000)

1985-1990		1991-1995		1996-2000	
5	muslim	215	muslim	164	muslim
1	muslimsk	176	muslimsk	139	muslimsk
		8	muslimsk-kroatisk	2	muslimsk-kroatiske
		6	muslimsk-dominert	2	muslimske
				2	muslimsk-dominert

Muslim in composita (2001-2013)

2001-2005		2006-2010		2011-2013	
1073	muslim	1217	muslim	948	muslim
987	muslimsk	923	muslimsk	499	muslimsk
14	muslimbrødrene	4	muslimene	3	muslimhat
5	muslimbror	1	muslimhets	2	muslimskdominert
3	muslimskføde	1	muslimsirkel	1	muslimhater
2	muslimsk-arabisk	1	muslimdominert	1	muslimhatende
1	muslimhater	1	muslimskhet	1	muslimvennlig
1	muslimsk-jødisk	1	muslimfrykten	1	muslimisme
1	muslimskdominert	1	muslimdebatt	1	muslimhets