

A corpus-based dictionary of spoken German – a short insight into a new project

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Abstract

This paper presents a short insight into a new project at the "Institute for the German Language" (IDS) (Mannheim). It gives an insight into some basic ideas for a corpus-based dictionary of spoken German, which will be developed and compiled by the new project "The Lexicon of spoken German" (Lexik des gesprochenen Deutsch, LeGeDe). The work is based on the "Research and Teaching Corpus of Spoken German" (Forschungs- und Lehrkorpus Gesprochenes Deutsch, FOLK), which is implemented in the "Database for Spoken German" (Datenbank für Gesprochenes Deutsch, DGD). Both resources, the database and the corpus, have been developed at the IDS.

Keywords: electronic lexicography; spoken German; project report

1. Introduction

In this paper we want to present a short insight into a new project, started in September 2016 at the "Institute for the German Language" (IDS). The project is called "Lexik des gesprochenen Deutsch"¹ (eng.: "The Lexicon of spoken German"), abbreviated LeDeGe in the following. The goal of the project is to develop a dictionary of spoken German by using corpus-based methods. The work is based on the "Forschungs- und Lehrkorpus Gesprochenes Deutsch, FOLK" (eng.: "Research and Teaching Corpus of Spoken German"), which is implemented in the "Datenbank für Gesprochenes Deutsch, DGD" (eng.: "Database for Spoken German"). Both resources, the database and the corpus, have been developed at the IDS. In section 2 we want to give a short insight into the corpus database of the project.

2. The project LeDeGe

The project LeGeDe is a third-party funded project of the Leibniz Association (Leibniz Competition 2016, Funding line 1: Innovative projects²). During the next three years (2016-2019) the project will be working on the innovative idea of a dictionary of spoken German. Such a dictionary resource does not yet exist, as modern dictionaries of German are usually based on the written language that is represented in large

¹ For an overview about the project, please see <http://www1.ids-mannheim.de/lexik/lexik-des-gesprochenen-deutsch.html>.

² For more information about the competition and the funded projects, please go to: <http://www.leibniz-gemeinschaft.de/en/about-us/leibniz-competition/projekte-2016/funding-line-1/>.

electronic text corpora. As a prerequisite, lexical phenomena that are typical for spoken German are analyzed on the basis of the corpora of spoken German available at the “Institute for the German Language”.

The project is to be achieved through a cooperation of two departments of the “Institute for the German Language” in Mannheim: the Department of Pragmatics and the Department of Lexical Studies. The team consists of researchers with different research areas: lexicographers (especially researchers with a special focus on electronic lexicography), corpus linguists, and researchers with a special focus on conversational analysis³.

3. Database

FOLK – the research and teaching corpus of spoken German – is a corpus project, which is located in the Department of Pragmatics. As described in Schmidt 2014a:

“The project ‘Forschungs- und Lehrkorpus Gesprochenes Deutsch (FOLK)’ (eng.: research and teaching corpus of spoken German) has [...] set itself the aim of building a corpus of German conversations which:

- a) covers a broad range of interaction types in private, institutional and public settings,
- b) is sufficiently large and diverse and of sufficient quality to support different qualitative and quantitative research approaches,
- c) is transcribed, annotated and made accessible according to current technological standards,
- d) is available to the scientific community on a sound legal basis and without unnecessary restrictions of usage.” (Schmidt 2014a: 383; cf. Fig. 1)

³ LeGeDe-Team: Katja Arens, Dolores Batinić, Arnulf Deppermann, Stefan Engelberg, Meike Meliss, Christine Möhrs, Thomas Schmidt, Antje Töpel, Sarah Torres.

POSITION | **TOKEN** | KONTEXT | METADATEN | ANZEIGE

Transkribiert: z.B. 'kannscht' | Normalisiert: z.B. 'kannst'

Lemma: gucken | POS: z.B. 'VMFIN'

Reguläre Ausdrücke

Recherche - Tokens

Transkriptausschnitt berechnet. 00:02:54.0

Ergebnisse 61 bis 70 von 2039 (2039 / 0 aus-/abgewählt) Seite 7 von 204

Ereignis	Sprecher	Treffer
61	FOLK_00009 LB	un müssen gucke wie ma des komplett kriegen
62	FOLK_00010 VK	so ich kuck mal wie viele tiere wir rausspielen wir spielen jetzt zooloretto
63	FOLK_00010 VK	zug no ma zeig no ma kuck doch ma was de reingeriss rausgesucht hattest
64	FOLK_00010 NK	kück her
65	FOLK_00010 VK	guck mal sabine nina wird sich das bestimmt nicht nehmen lassen
66	FOLK_00010 VK	und guck mal so was is voll super für mich
67	FOLK_00010 VK	die kann kein k kein baby gebrauchen kuck ma
68	FOLK_00010 NK	warum dann kriegst du babie aison wirklich guck wie schnell
69	FOLK_00010 VK	kleiner oh ah guck ma jetzt hab ich doch n schönes gehege mit affen

0477 VK *h so ich nehm mir den panda tut mir leid nina siehste ein ne

0478 SK es braucht niemand ein zebri

0479 (0.54)

0480 VK kleiner oh *h [ah **guck** ma jetzt hab ich doch_n schönes gehege mit affen] und pandas und allem drum und [dran]

0481 SK [([summt eine Melodie, 2.1s])]

0482 NK [n]ein

0483 VK ([lacht]) nina bist dran

70 FOLK_00010 VK aber **kuck** ma jetzt gib doch ma erst ma des kangaru ab

Ergebnisse 61 bis 70 von 2039 (2039 / 0 aus-/abgewählt) Seite 7 von 204

Figure 1: Extract from search results to *gucken* (FOLK, DGD)

By today, a set of data comprising over 170h of recordings and close to 1,600,000 transcribed tokens has been completely processed and published via the “Database for Spoken German” (cf. Schmidt 2014b). During the project period we want to develop methods and a lexicographical process that take the characteristics of spoken language and the possibilities of the database into account. In addition to that we want to differentiate between aspects of spoken and written language.

4. Goals

The aim of the project “The Lexicon of Spoken German” is to design and compile the first dictionary of spoken German. The dictionary will be available online and will be extensible. It will cover the lexical units and properties typical for spoken German as it is used in conversations in private and institutional contexts. In the future, the dictionary will be integrated into the dictionary portal OWID⁴ (Online-Wortschatz-Informationssystem Deutsch; eng.: Online vocabulary system of the German language).

⁴ OWID: <http://www.owid.de/>

5. References

Paper in conference proceedings:

Schmidt, Thomas (2014a): The Research and Teaching Corpus of Spoken German - FOLK. In: Proceedings of LREC'14, Reykjavik, Iceland: ELRA.

Schmidt, Thomas (2014b): The Database for Spoken German - DGD2. In: Proceedings of LREC'14, Reykjavik, Iceland: ELRA.

Websites:

Datenbank zum Gesprochenen Deutsch. Accessed at: http://dgd.ids-mannheim.de/dgd/pragdb.dgd_extern.welcome. (14 December 2016)

OWID. Accessed at: www.owid.de. (14 December 2016)

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