



Two sepedi-english code-switched speech corpora

Thipe I. Modipa^{1,2} · Marelle H. Davel^{2,3}

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Abstract

We report on the development of two reference corpora for the analysis of Sepedi-English code-switched speech in the context of automatic speech recognition. For the first corpus, possible English events were obtained from an existing corpus of transcribed Sepedi-English speech. The second corpus is based on the analysis of radio broadcasts: actual instances of code switching were transcribed and reproduced by a number of native Sepedi speakers. We describe the process to develop and verify both corpora and perform an initial analysis of the newly produced data sets. We find that, in naturally occurring speech, the frequency of code switching is unexpectedly high for this language pair, and that the continuum of code switching (from unmodified embedded words to loanwords absorbed into the matrix language) makes this a particularly challenging task for speech recognition systems.

Keywords Code switching · Speech corpus · Multilingual speech recognition · Sepedi

1 Introduction

Many bilingual and multilingual environments are characterised by the presence of one dominant language or *lingua franca* and a number of other, typically diverse languages. The dominant language is often a language that is widely spoken, such as English or French. Speakers whose primary (or *matrix*) language is one of the other – often smaller, in terms of number of first language speakers – languages used in the presence of a dominant language, typically use words from the dominant language when they converse in the matrix language.

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Engaged Language Policy and Practices Kathryn A. Davis, Prem Phyak, 2016-12-08 Engaged Language Policy and Practices re envisions language policy and planning as an engaged approach drawing on and portraying theoretical and educational equity perspectives. It calls for the right to language policy making in which all concerned communities parents students educators and advocates collectively imagine new strategies for resisting global neoliberal marginalization of home languages and cultural identities. This book subsequently emphasizes the means by which engaged dialectic processes can inform and clarify language policy making decisions that promote equity. In other words rather than descriptions of outcomes the authors emphasize the need to detail the means by which local regional actors resist and transform inequitable policies. These descriptions of processes thereby provide all actors with ideological pedagogical and equity policy tools that can inform situated school and community policy making. This book depicts ways in which engaged language policy embodies the intersection of critical inquiry participant involvement and ongoing engaged language planning processes. It further offers an alternative to the traditional top down approach to language education policy making. Engaged Language Policy and Practices is essential reading for scholars teachers students communities and others concerned with worldwide language and identity equity.

Negotiating Language Education Policies Kate Menken, Ofelia Garcia, 2010-02-25 Bridging the divide between policy and practice this book explores how educators interpret negotiate resist and re create language policies in schools focusing on their central role in this complex and dynamic process.

Sociolinguistics and Language Education Nancy H. Hornberger, Sandra McKay, 2010 This book provides an up to date overview of sociolinguistics including topics of nationalism and popular culture style and identity creole languages critical language awareness multimodal literacies classroom discourse ideologies and power across language education contexts ranging from the teaching of English as an international language to Indigenous language revitalization.

African Drama and Performance John Conteh-Morgan, Tejumola Olaniyan, 2004-10 This title explores the diversity of the performing arts in Africa and the diaspora from studies of major dramatic authors and formal literary dramas to improvisational theatre and popular video films.

Bantu Clement M. Doke, 2017-09-20 Originally published in 1945 this volume represented the first to classify Bantu languages. This volume does not record all the dialects but makes reference to those in which some grammatical study has been done and classifies them according to mainly geographical zones. Owing to tribal migrations individual members of a particular zone may be living among members of a different zone as has been the case with the Ngoni South Eastern Zone who are found among the Eastern Bantu but the zone label is taken from the habitat of the majority.

South Africa, 1988

Debates of Parliament South Africa. Parliament, 1992 *Bantu; Modern Grammatical, Phonetrical* Clement Martyn Doke, 1945 *Research in African Literatures*, 1999 *Logos*, 1993 **Questions and Replies of the National Council of Provinces** South Africa. Parliament (1994-). National Council of Provinces, 2000 *A Life in Moments* Tshologa Jacob

Motswaledi,2005 *Designing and Delivering Distance Education* ,2004 **South Africa's Troubled Royalty** Christina Murray,2004 This is the text of the sixth Geoffrey Sawyer Lecture given by Professor Murray on 7 November 2003 in which she discusses South Africa's controversial attempts to accommodate traditional leaders in its democratic order Language Decline and Death in Africa Herman Batibo,2005 The aim of this book is to inform both scholars and the public about the nature and extent of the problem of language decline and death in Africa It resourcefully traces the main causes and circumstances of language endangerment the processes and extent of language shift and death and the consequences of language loss to the continent's rich linguistic and cultural heritage The book outlines some of the challenges that have emerged out of the situation **Debates of the National Assembly (Hansard)** South Africa. Parliament (1994-). National Assembly,2001 Forbes Bertie Charles Forbes,2007-04 This business magazine covers domestic and international business topics Special issues include Annual Report on American Industry Forbes 500 Stock Bargains and Special Report on Multinationals **Oversea Quarterly** ,1964 Drum ,2006 *Africa Contemporary Record* Colin Legum,1971

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