

# DPs Syntax in acquisition

A case study on Italian L2 by Czech and Slovak learners

Marco Petolicchio

Czech and Slovak are languages which don't exhibit a manifest position for the Articles in the Determiner Phrase. The aim of this paper is to show how this structure is accessed during the learning of Italian, a language which presents the articles as for the standard behavior for nouns.

**Keywords:** Determiner Phrase, Italian L2, Second Language Acquisition, Syntax

## Contents

<b>1 Introduction</b>	<b>2</b>
<b>2 Theoretical background</b>	<b>3</b>
2.1 Implications for the DP-Hypothesis in Italian . . . . .	4
2.2 Implications for the DP-Hypothesis in Czech . . . . .	4
<b>3 Case Study</b>	<b>4</b>
3.1 Retrieve the linguistic data . . . . .	4
3.2 Perform a test . . . . .	5
<b>4 Conclusion</b>	<b>5</b>
<b>Financial coverage</b>	<b>5</b>
<b>Abbreviations</b>	<b>5</b>

## 1 Introduction

Czech (ces) and Slovak (slk) are languages of the Slavic branch in the Indo-European family. Alongside a certain morphological complexity in noun declension systems, these languages –except for Bulgarian (3b) and Macedonian (Dryer, 2013)– don’t show an overt realization of the Determiner position inside the noun phrase (1) (Harkins, 1953). Conversely, Italian (ita) and the other romance languages explicit that position as a default behaviour, usually with a free morpheme preceding the noun (2) or by cliticization of the definite article (3a):

### (1) Articleless

- a. ces (Veselovská, 2014, 14)  
*Chlapec/Marie/Ona/každý miluje ryby/ {své rodiče}.*  
 Boy/Marie/She/Everyone Love.3sg Fish/ {POSS parent}  
 “SUBJ loves [the] fish/ his parents”
- b. slk (Kamenárová, 2007, 113)  
*Večer čítam knihy, píšem referáty...*  
 Evening Read.1SG Book.PL Write.1SG Paper.PL  
 “In the evening I read [the] books, I write (school) papers ...”

### (2) Proclitic

- a. ita (Bianco, 2017, 60)  
*Il terremoto ha distrutto la città.*  
 ART.DEF Earthquake AUX.3sg Destroy.PTCP.PST ART.DEF City  
 “The earthquake destroyed the city”
- b. fro (Dufournet and Lecoy, 2008, 3261)  
*La dame estoit devant la sale.*  
 ART.DEF Girl Be.3sg ADV ART.DEF Room  
 “The *dame* was in front to the room”

### (3) Enclitic

- a. ron (Cojocaru, 2003, 45)  
*Prieten=ul meu este aici.*  
 Friend=ART.DEF POSS Be.PRES.3sg Here  
 “My friend is here”
- b. bul (Leafgren, 2011, 37)  
*Къде е книга=та му?*  
 Where Be.3SG Book=ART.DEF POSS.1SG  
 “Where is my book?”

The general idea of this paper is to address the question of how linguistic structures which are not overtly marked in L1 can be accessed during the acquisition of a target language that show them. While doing this can be either both purely speculative as grounded on actual data, I will show how the usage of a target collection of linguistic corpora can be useful to test the main hypotheses

into narrower facts. The language under observation are indeed a few: on one side *ces* and *slk* as native languages—with no overt position for the articles—on the other *ita* as target language.

The section 2 provides a theoretical discussion on the top of different theories inside the Generative framework (Chomsky, 1995) on the status of DP and NP. The section 3 is twofold: firstly I present the methods used into the current analysis in terms of *reproducibility* of the research, the policies of data-collection and an analysis of the expected results; while the second subsection is built upon a case study made off to test some hypotheses about the categorical differences of DPs during the acquisition of *ita* by *ces* and *slk* native speakers involved in the test. A summary conclusion (Section 4) closes the paper.

## 2 Theoretical background

One of the main area of research in Generative studies on Second Language Acquisition (GenSLA) regards the investigation about how the linguistic structures can be accessed in L2 and how the transitional stages of acquisition work into the learning continuum (Rothman and Slabakova, 2017).

Symmetries amongst the DP/NP phrase and the whole sentence are often referenced in terms of structure building and phase-related properties (Chomsky, 2013, 2015).

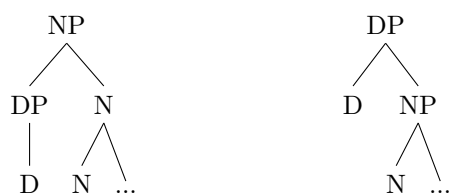


Figure 1: Structural comparison between NP-over-DP and DP-over-NP Hypotheses

Two hypotheses: DP as Spec or Phrase.

	Texts		Tokens	
	ces	slk	ces	slk
Czech-IT	212	74	11129	4440
Merlin	1	0	256	0
Valico	107	17	16250	3316

Table 1: Amount of data in the collection

## 2.1 Implications for the DP-Hypothesis in Italian

## 2.2 Implications for the DP-Hypothesis in Czech

# 3 Case Study

## 3.1 Retrieve the linguistic data

This analysis relies on 3 corpora of Italian L2, subsetting for the current purposes of having Czech and Slovak L1.

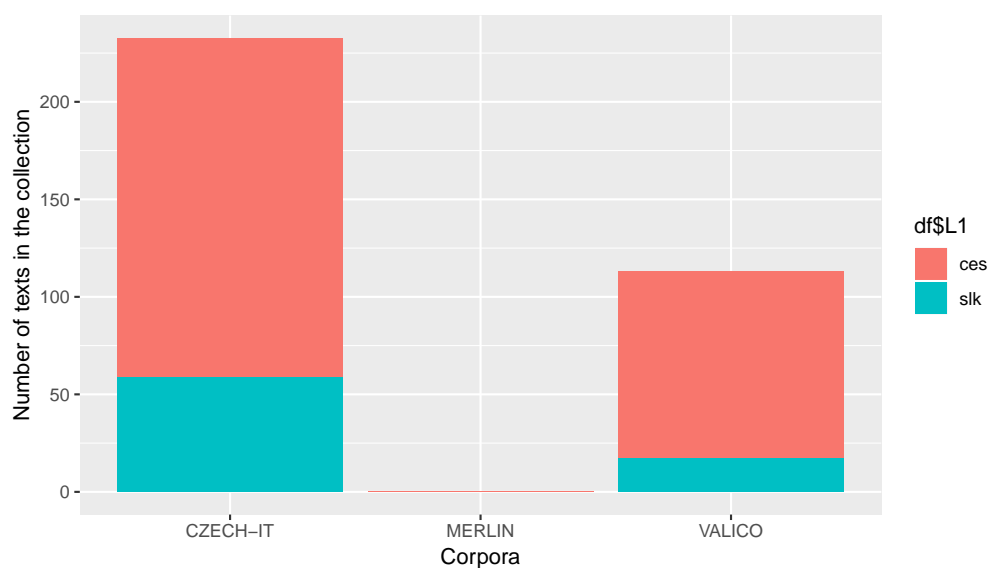
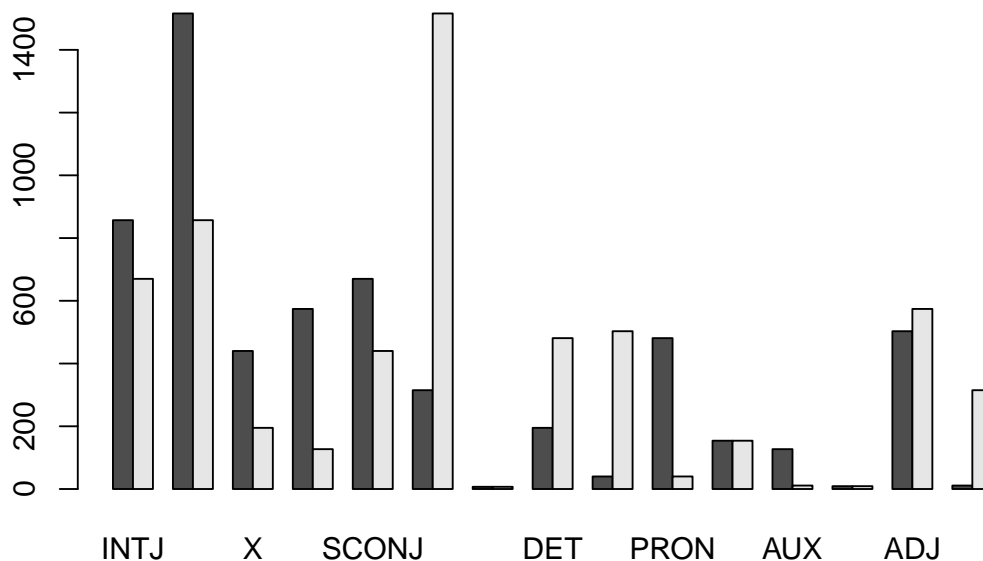


Figure 2: Number of texts by different Corpora



### 3.2 Perform a test

Provide 10 noun phrases with different referential structure in terms of animateness with a neutralized article. The students are invited to write full sentences for each one.

Goals:

- Test the syntactic distribution of phrases (SUBJ vs OBJ)
- Test the distribution of DETs ([+def], [-def],  $\emptyset$ )

## 4 Conclusion

### Financial coverage

This work was partially supported by the funding grant XXX.

### Abbreviations

Languages are indicated by the abbreviations provided in the ISO 639-3 format (SIL International, 2009). Morphological glosses styles adhere to the widely recognized *Leipzig Glossing Rules* (Comrie et al., 2008), while other abbreviations respect (Boeckx, 2012).

## References

- Bianco, F. (2017). *Breve guida alla sintassi italiana*. Pillole. Linguistica. Cesati.
- Boeckx, C. (2012). List of abbreviations and symbols. In Boeckx, C., editor, *The Oxford Handbook of Linguistic Minimalism*, pages xv–xx. Oxford University Press.
- Chomsky, N. (1995). *The Minimalist Program*. Current studies in linguistics series. MIT Press.
- Chomsky, N. (2013). Problems of projection. *Lingua*, 130:33 – 49. SI: Syntax and cognition: core ideas and results in syntax.
- Chomsky, N. (2015). *Problems of projection: Extensions*, volume 223 of *Linguistic Aktuell*, pages 1–16.
- Cojocaru, D. (2003). *Romanian Grammar*. Slavic and East European Language Research Center (SEELRC), Duke University.
- Comrie, B., Haspelmath, M., and Bickel, B. (2008). The leipzig glossing rules: Conventions for interlinear morpheme-by-morpheme glosses.
- Dryer, M. S. (2013). Definite articles. In Dryer, M. S. and Haspelmath, M., editors, *The World Atlas of Language Structures Online*. Max Planck Institute for Evolutionary Anthropology, Leipzig.
- Dufournet, J. and Lecoy, F. (2008). *Le roman de la rose ou de Guillaume de Dole par Jean Renart*. Champion Classiques. Champion.
- Harkins, W. E. (1953). *A Modern Czech Grammar*. King's Crown Press, New York.
- Kamenárová, R. (2007). *Křížom-krážom: Slovenčina A1*. Number sv. 1 in *Studia Academica Slovaca*. Univerzita Komenského.
- Leafgren, J. (2011). *A Concise Bulgarian Grammar*. SEELRC.
- Rothman, J. and Slabakova, R. (2017). The generative approach to sla and its place in modern second language studies. *Studies in Second Language Acquisition*, page 1–26.
- SIL International (2009). Iso 639-3 - codes for the representation of names of languages.
- Veselovská, L. (2014). Universal dp-analysis in articleless language: A case study in czech. In Veselovská, L. and Janebová, M., editors, *Nominal Structures: All in Complex DPs*, Olomouc modern language monographs, pages 12–28. Palacký University, 1 edition.